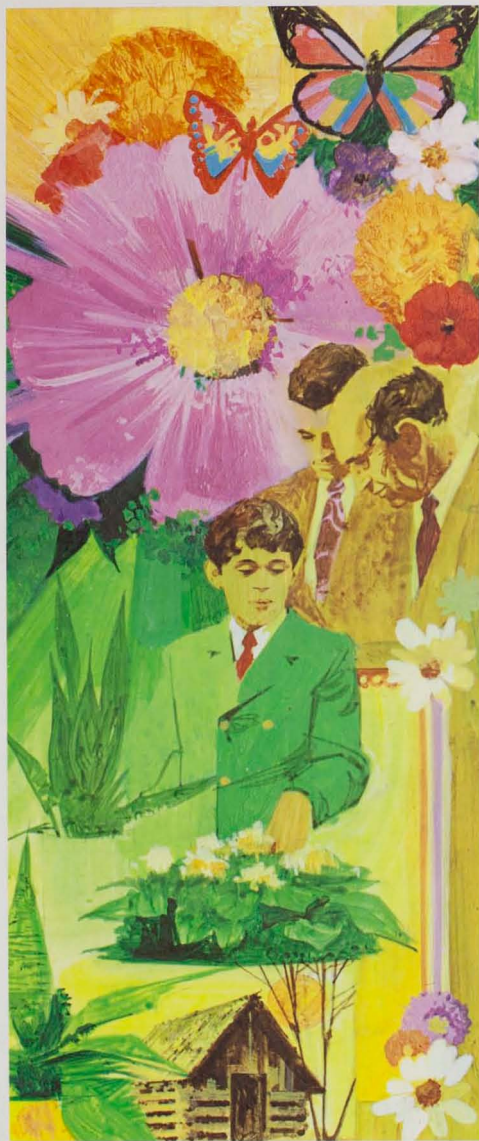




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Assisted By

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EMERGENCIES: A first aid station is located under Section A on South side of Stadium. Trained nurses are on hand all during the game. Should a doctor be needed, ask any usher. **Each usher has been informed the seat location of doctors.** Ambulances are located at Gates 2 and 10.

TELEPHONES: Telephones are located at Stadium Ticket Offices at Gates 1, 5, 9, 11 and 13.

PUBLIC ADDRESS SYSTEM: The public address system is intended primarily for the information of spectators concerning the game. **Please do not request the use of the public address system to make social contacts at the game.**

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LOST & FOUND: If any article is lost or found, please report same to Gate 1 Information Booth.

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EMERGENCY CALLS: Emergency calls are received over the telephone located in the press box, the number of which is listed with the operator as Press Box, Clemson Memorial Stadium.

NOTICE: Possession or consumption of alcoholic beverages are prohibited by Act No. 550 of the General Assembly of South Carolina, 1967, and rules of the Alcoholic Beverage Control Commission in this stadium and the surrounding area. By order of: S. C. Alcoholic Beverage Control Commission.



THE MAGIC TOUCH

Clemson University's unique "Garden for the Blind" proves there's a lot more to plants than meets the eye.

Colors and visual patterns in flowers and foliage mean nothing to a blind person, but plants that are fragrant and interesting to touch can be fascinating.

An array of such plants, chosen by Clemson horticulturists for their pleasing aromas and tactile characteristics, are exhibited in the recently completed garden, a 200-square foot area punctuated with waist-high signs, not one of which says "DO NOT TOUCH."

The idea for a garden for the blind grew out of a special feature exhibit by Clemson horticulturists at the "Growing with America" festival held last March at U. S. Department of Agriculture headquarters in Washington, D. C.

The immense success of the exhibit was captured in a national newspaper photograph showing the happy face of one South Carolina youngster, blind since birth, as his fingers read Braille descriptions of the plants, then explored their structural intricacies.

Ricky Godfrey, 13, from the S. C. School for the Deaf and Blind in Spartanburg, charmed festival visitors and news reporters alike with his spontaneous joy among the flowers.

"I really like the garden," Ricky said excitedly. "So many places you go they won't let you touch."

Dr. Taze L. Senn, head of Clemson's department of horticulture, selected the plants for the Washington exhibit and arranged for the S. C. School for the Deaf and Blind to assist in making plant identification and description signs in Braille,

as well as regular printing.

"Ornamental horticulture can be a potential interest, hobby or even career in the life of a blind person," says Senn. "The Garden for the Blind was created to foster those interests."

There are other gardens for blind people, but these invariably are "touch and see" nature trails, or sensory, "pungent" gardens containing plants with sweet or spicy odors.

Clemson's garden is unique because it teaches the sightless to identify plants by tactile characteristics, as well as to appreciate their esthetic qualities.

The Garden for the Blind is situated two miles east of campus in the University's Ornamental Grounds, a secluded 64-acre section of wooded hills, meandering forest trails and thousands of artfully arranged plants.

To further the public's knowledge about the science and art of horticulture, the horticulture department also maintains greenhouses of exotic plant species and the 2½-acre Variety Trial Garden, the only All-American demonstration flower garden in the Southeast, located behind the Plant and Animal Science building.

Designed for the delight and enlightenment of the general public, Clemson's gardens function also as outdoor laboratories in which are trained many of the world's best horticultural scientists.

The Ornamental Grounds area is a living historical museum that preserves part of South Carolina's rich history in the verdant vocabulary of trees, sprouting shrubs, herbs and blossoming flowers.

South Carolina has contributed

significantly to the nation's horticultural and agricultural progress.

The first agricultural experiment farm in America was established in 1670 on the Ashley River by order of the Lords Proprietors, and the nation's second oldest farmers' society was founded in Charleston in 1785.

The first *Camellia japonica* in this country was planted in 1797 in Charleston's world famous Middleton Place Gardens. The rare *Magnolia* (*Magnolia fraseri*) was discovered about 1750 along the banks of the Keowee River in the South Carolina mountains.

The first poinsettia in this country was introduced in South Carolina in 1825, and the gardenia was the brainchild of one Dr. Alexander Garden, a colonial Charleston physician.

Clemson University has also made significant agricultural contributions. For example, Clemson horticulturists have developed 70 per cent of all cucumber varieties grown in the U.S. today, as well as the famous "Clemson spineless okra."

The Ornamental Grounds are a permanent home for such plants. Many of the individual specimens are direct descendants of plants that helped feed, clothe, heal and decorate the homes of early settlers.

Well-marked trails lead through a camellia test garden, through rows of shrubs and blazing azaleas, around a duck pond fringed with wildflowers, and through tall stands of slash pine, oak, cedar and hickory.

Early colonial history comes to life in the compact living historical complex, which can quickly make you forget that our pioneer trails

have long since turned to asphalt.

The area contains a reconstructed frontier cabin; herb, flower and vegetable gardens; wagon shed; corn crib to serve a grist mill; and a wildflower trail and bog garden.

As in the Garden for the Blind, plaques in Braille and regular printing, provide information about plants and exhibits.

A rustic split-rail fence bounds the one-room log cabin, a museum for antique farm and garden implements. Brought here from the Western Carolina mountains, the cabin was reassembled and dressed with mortar mixed from local clay, and rough, handsplit oak shingles.

Fronting the cabin is a tidy colonial kitchen garden of herbs and spices used by early Carolina homemakers in making medicines, cosmetics and insect repellents, as well as meals.

Across the yard lies an informal vegetable garden brimming with straight rows of old strain—beans, tobacco, Indian corn, okra, indigo, cotton, upland rice, and other vegetables.

The wildflower footpath, eventually to be lined with more than 900 varieties, twists past the corn crib and creaking water wheel of the grist mill, over a lively stream, through splashes of colorful flowers, like the Oconee Bell—rarely found in the wild outside Oconee and Pickens counties—and penetrates a bog garden containing plants typical of low-lying areas of the Palmetto State.

All of Clemson's gardens and greenhouses are open to the public, most for the entire year. Getting to know the horticultural gardens, like other aspects of Clemson University, is quite an education.

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In behalf of Clemson University, I warmly welcome each of you to our beautiful campus and to Memorial Stadium for today's game.

Clemson has a proud tradition in athletics, as it does in academic affairs and in public service. Clemson is enhancing and extending this tradition as it enters a new era for varsity sports. The Athletic Department's dynamic approach to its future is exemplified by this attractive and informative program and by the other innovations visible at the stadium. Clemson athletics enter the Decade of the Seventies with eagerness and confidence.

We at Clemson share the enthusiasm and pride of all South Carolinians in celebrating our state's 300th anniversary. South Carolina, one of the original colonies, has made major contributions to this country's dynamic growth. The State has a proud and historic tradition. Many of its people have been leaders who helped shape this nation's history and development.

To all our visitors, especially those from out-of-state, I suggest you get to know the State of South Carolina. It is a State of unlimited opportunity.

Just as South Carolina enjoys a significant role in the nation's history, Clemson University is a truly vital contributor to the educational and economic development of the State. As a state-supported, land-grant University, Clemson is dedicated to improving the quality of life for all citizens through its educational, research and public service programs.

A pioneer and innovator in many areas, Clemson University, its distinguished faculty, researchers and scientists are tackling many of the world's most pressing problems. The Clemson scientists began investigating the blight of our environment years before pollution became a national concern. Our agricultural engineers are providing agriculturists with modern methods to harvest their crops. Other Clemson scientists are devising better means of providing more and different types of food for over-populated areas throughout the world.

In other areas, Clemson researchers are engaged in many health-related projects, space exploration activities and urban problems, and are attacking on a broad front some of the textile industry's most critical problems.

These are just a few of the reasons that make Clemson University so unique and so exciting.

Other important ingredients are a dedicated faculty and staff, a student body that faces today's problems both responsibly and positively, and the 35,000 alumni who put to good practice the quality education and training they received at Clemson.

I suggest that during your visit here today you take the opportunity to look us over.

Get to know Clemson; it's quite an education.

Robert C. Edwards
President

President Edwards with students Felicia Young and Greg Jones, President of Student Body.

ACC Comments: The Role Of Intercollegiate Athletics ... As Seen By Faculty Representatives



R. R. RITCHIE



JOHN E. FABER



E. M. HEDGPETH



RALPH E. FADUM

PROF. R. R. RITCHIE, Clemson: Intercollegiate athletics has the potential to be the medium which does more to unify the student body and attract the support of alumni and the general public than any other collegiate activity at most undergraduate colleges and universities. Careful consideration to keep athletics as an integral part of the university program is essential. Athletics should be members of the student body—not a group set apart. Interest and participation in sports may tend to guide youthful students into desirable channels rather than into violent and disruptive actions. Anything college athletics can do to prevent the latter is commendable. To this end, universities should compete in as many sports as practicable in order to obtain greater numbers of participants.

DR. JOHN E. FABER, Maryland: Scholastics, social, cultural, religious, and athletic activities comprise the academic environment at the University of Maryland, and intercollegiate athletics are an integral part of the overall program. Eligibility and competition in twelve intercollegiate sports are governed by rules of the University, the ACC, and the NCAA. Stress is placed on physical condition, moral character, sportsmanlike conduct, and academic excellence of the participants; while pep bands, cheerleaders, and rallies provide encouragement before and during competition. Students are involved in sports as participants or as spectators, and the achievements of the University's teams do much to generate loyalty, pride, and enthusiasm among the student body.

DR. E. M. HEDGPETH, North Carolina: Sports at all levels—intercollegiate, intramural, clubs and the like—should and I believe do, occupy a fundamental place in the overall philosophy, aims and objectives of an educational institution in the preparation of young men and women for life. Athletics contribute in many and diverse ways for the participant, spectator, student body and represent a great unifying influence among the University of North Carolina's many loyal alumni and friends. This University shall always strive for excellence in all its endeavors—and this includes the field of athletics.

DR. RALPH E. FADUM, N. C. State: A sound intercollegiate athletics program is a vital and essential part of contemporary college life. It provides a rallying point for our faculty, students, alumni, and friends to come together. In these troubled times when there are so many issues that can divide us, it is especially important that we support those activities that develop an esprit de corps among us. Intercollegiate athletics programs rank high among such activities.

DR. D. ALAN WILLIAMS, Virginia: Intercollegiate athletics is an integral part of student life at the University of Virginia. Student-Athletes are a representative cross-section of the undergraduate student body and their academic achievements as a group equal or exceed those of their classmates. Over two hundred and fifty students enjoy the stimulation, teamwork, and personal discipline of competition with many of the nation's best athletes. The University fields teams in all sports included in the Atlantic Coast Conference program.

DR. JOHN W. SAWYER, Wake Forest: Intercollegiate athletics is a catalyst, bringing together many diverse segments of collegiate life. It, more than any other activity, will cause to gather larger groups of friends of the college than would gather for any other activity. Hence, from a public relations standpoint, intercollegiate athletics is almost a necessity. Even a necessity, however, can be overdone. It is for this reason that the Atlantic Coast Conference includes a statement of purpose in its constitution. "It is the purpose and function of this Conference to promote intercollegiate athletics, to keep it in proper bounds by making it an incidental and not the principal feature of college and university life, and to regulate it by wise and prudent measures in order that it may improve the physical condition, strengthen the moral fibre of students, and form a constituent part of that education for which universities and colleges were established and are maintained."

DR. JOHN C. GUILDS, South Carolina: Intercollegiate athletics provide a salutary balance to the increasing academic pressures of university life. Especially in an age of mounting social and political tension, intercollegiate sports play a constructive role in offering much needed emotional outlets for students, faculty, alumni, and other supporters—a means of positive identification which can increase the individual's pride in all phases of his university's accomplishments. Viewed in the proper perspective, intercollegiate athletics enhance the total educational program of the university as well as furnish excellent entertainment and rally support to the alma mater more successfully than any other medium.



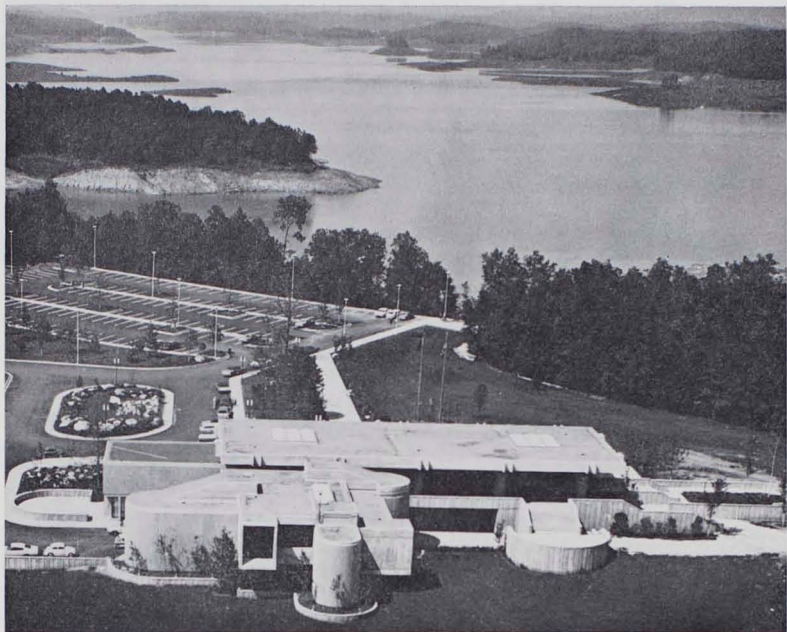
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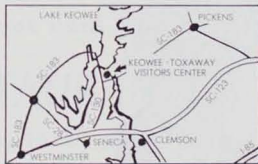
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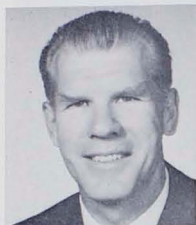
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14-Q3—Thomas Byron (Tommy) Kendrick—Junior—6-1-170—9-11-50—Stone Mountain, Ga. . . . set sophomore passing mark with 1,457 yards and total offense mark with 1,335 yards . . . threw 10 TD passes last year . . . could be one of best quarterbacks in Clemson history . . . best passer of all quarterbacks . . . shows great leadership ability . . . father is a salesman . . . liberal arts major.



75-OG—James Howard (Buddy) King—Sophomore—6-0-210—5-29-51—Concord, Calif. . . . one of the sophomores listed to be a starter this fall . . . started on Cub team last year . . . earned two letters each in football and baseball at Mt. Diablo High School and one in wrestling . . . played in California Shrine game . . . was all-northern California . . . father is production supervisor . . . industrial management major.



43-TB—Larry Lester (Larry) Lawson—Senior—5-11-185—1-4-48—High Point, N. C. . . . non-letterman who is expected to see action as tailback this fall behind Yangar . . . lettered three years in football, one in basketball and two in track at Allen Jay High School . . . was all-conference and most valuable in track and most improved in basketball in high school . . . father is grocer . . . electrical engineering major.



78-OT—Steven Jay (Steve) Lewter—Junior—6-4-230—2-1-49—Clarkston, Ga. . . . started as offensive tackle last year as sophomore but lined number two behind Watts for this fall . . . still contender for starting role . . . earned three letters each in football and track and one in wrestling at Clarkston High School . . . two-way tackle as prepster . . . father is employed by Southern Bell . . . arts and sciences major.



97-DE—Steven Lamar (Steve) Long—Sophomore—6-2-197—5-4-51—Montree, Ga. . . . was offensive end on freshman club last year . . . attended Montree Area High School and lettered three years each in football, basketball and track and one year in golf . . . was most valuable blocking back in high school . . . most valuable in track . . . father is a merchandiser . . . majoring in agronomy.



89-DE—Daniel William (Danny) Lundeen—Sophomore—6-3-195—6-26-51—Temple Terrace, Fla. . . . starter at tackle position for undefeated freshman team . . . listed as starter for varsity this fall . . . attended King High School and earned two letters each in football and basketball . . . received outstanding defensive lineman award . . . second team all-state . . . father is manufacturing manager . . . elementary education major.



R. R. (Red) Ritchie, Chairman, Athletic Council

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The IPTAY Story

Beginning September a year ago, and ending this past August, members of IPTAY contributed more money into the Clemson scholarship club than ever before, even surpassing the record set a year earlier.

This past September 1st started the 37th year of IPTAY and probably no other group of people has done more for collegiate athletics anywhere.

Thousands of boys have received an education through IPTAY which otherwise would not have been possible. And the need for additional memberships increases each year.

During the 36th year of operation the club has one of its largest memberships on record with 7,034 regular members; 1,469 \$100 Gold Card members, 28 \$250 members, 38 \$500 members and 18 who have contributed \$1,000 to the club.

IPTAY was started — and still functions — with one purpose in mind, that is, to finance athletic scholarships at Clemson. Not one single penny contributed during the past 36 years has been used for any other purpose. All contributions are tax deductible.

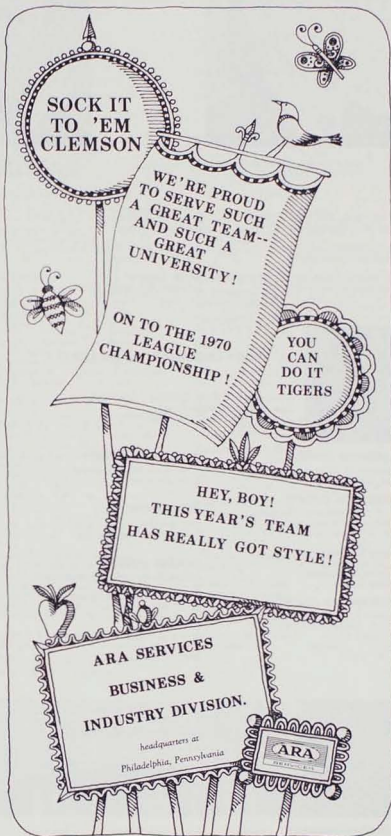
From the records available, there were 185 people who were members of IPTAY during that first year of 1934-35. Over a third of these are now deceased, but better than 60 per cent of those still living are members today and a fifth of them are Gold Card members.

The late Dr. Rupert H. (Rube) Fike was the father of IPTAY. It was his idea that something should be done to support athletics at Clemson. His thought was being churned around when the Tigers were at one of their lowest depths of football. The team had won only seven games, while losing 17 and tying five in three years.

The beginning of IPTAY was an adrenaline to football and the initial success experienced was more than anticipated. For the next eight years, the football teams had break even seasons or better. And the sixth season after IPTAY was born, the Tigers went to their first bowl game. Five other post-season classics were to come Clemson's way in the next 19 years.

While football was to be the main beneficiary of IPTAY funds, Clemson's other athletic teams have also benefited from the program as evidenced by the conference championships won in other sports, not to mention the numerous All-America and All-Conference honors won by individuals.

IPTAY put Clemson athletics on the map — to stay.



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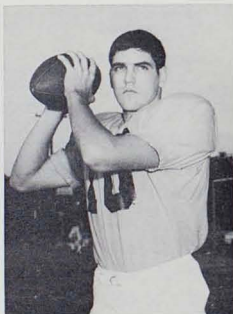
Spencer



47—DB—Jewell Pierce (Jewell) McLaurin—Senior—6-3—190—9-24-50—Dillon, S. C. . . . could possibly start as "tiger" this fall . . . strong strong defensive back . . . received three letters in basketball and two each in football and baseball at Dillon High School . . . prep All-American honorable mention . . . most valuable player in football . . . father is a farmer . . . recreation and park administration major.



85—OE—John Garvin (John) McMakin—Junior—6-3—210—9-24-50—Tucker, Ga. . . . a returning starter at tight end . . . was second on team in receiving last year with 24 catches for 302 yards and four touchdowns . . . best game last year came against Duke . . . caught seven passes for 98 yards and two touchdowns, one a 32 yard pass from Charlie Waters . . . father is an engineer . . . majoring in industrial management.



12—QB—Mike H. (Mike) Mathews—Sophomore—6-2—190—4-17-51—Canton, N. C. . . . led the Clemson frosh to undefeated season last year . . . completed 33 out of 54 passes in five games as leading passer . . . second on team in total offense . . . earned four letters each in football and baseball, three in track and one in golf at Pisgah High . . . father is maintenance supervisor . . . industrial management major.



94—DE—Charles Albert (Charlie) Mayer—Junior—6-0—210—1-17-50—Little Mountain, S. C. . . . saw a good bit of action as a sophomore last year . . . was linebacker on freshman team . . . will give Lunsden a rest this year . . . earned five letters in football at Mid-Carolina High School . . . father is control room operator . . . majoring in recreation and park administration.



63—OG—Johnnie Fredrick (Fred) Milton—Senior—6-2½—205—2-6-48—Lake City, Fla. . . . played defensive tackle last year . . . came to Clemson as defensive end from Columbia High School where he lettered in football two years . . . on Florida High School Coaches Association all-star team . . . played frosh ball in '65 but was held out in '67 . . . father is salesman . . . majoring in biology.



45—LB—Paul Michael (Mike) Newell—Sophomore—6-0—190—11-24-49—Winder, Ga. . . . number two man behind Hefner last fall . . . attended Winder Barrow High School . . . earned three letters in football and two each in baseball and track . . . made all-state team and was most valuable player, back and defensive player . . . father is a water engineer . . . civil engineering major.



Clemson's Mission is Larger, More Complex

Clemson University is located in the northwest corner of South Carolina, but its educational, research and public service programs extend from the red hills of the Blue Ridge Mountains to the sandy coast of the Atlantic Ocean.

Founded as one of the nation's land-grant institutions, Clemson opened in 1893 with 15 faculty members, 446 students, four buildings, two barns and six silos.

Today, Clemson University is the center of scientific, technological and liberal education in the state.

Enrollment has grown to some 7,600 young men and women attending main campus classes and the two-year centers in Greenville and Sumter. This enrollment includes about 1,000 graduate students and 1,500 coeds. The faculty numbers more than 600 and the main campus has 55 major buildings.

Teaching and research at Clemson University cover studies as down to earth as soil and plant analysis and as far out as celestial navigation.

Instructional programs are offered through 40 academic departments under ten academic divisions: College of Agriculture and Biological Sciences, College of Architecture, College of Education, College of Engineering, College of Forest and Recreation Resources, College of Liberal Arts, College of Industrial Management and Textile Science, College of Physical and Mathematical Sciences, School of Nursing and the Graduate School.

Pioneers in environmental research, Clemson scientists and engineers currently are investigating a wide range of nationally-important projects, from ceramic bone and teeth implants to oxygen consumption in the brain, from a disposable glass container to water and

air pollution.

The research and academic know-how at Clemson University work as catalytic agents to the entire economy of South Carolina and the nation through the Agricultural Extension Service, the Agricultural Experiment Stations, the Professional Development Program and the Office of Industrial and Municipal Relations.

In addition to Clemson's educational, physical and enrollment growth, another significant trend is the steadily improving quality of students.

President Robert C. Edwards proudly reports that members of the 1970 class are among the best prepared of any group ever admitted to Clemson. As a result of this improving proficiency, the percentage of freshmen who complete their work and re-enroll for their sophomore year continues to rise.

For the fall of 1970, 80 per cent of the freshmen who enrolled in 1969 re-enrolled for their second year. Fewer than ten per cent of 1969's freshmen failed to qualify to return, the majority of non-returnees being absent for non-academic or personal reasons.

Clemson University has accomplished its mission to a greater degree than founder Thomas Clemson ever dreamed, says President Edwards.

"Yet the need for education, especially scientific and technological education, is greater today than ever before," he says. "Clemson's mission, unchanged in essence, is therefore larger in magnitude and more complex in scope than ever before.

"True to the mission Mr. Clemson set for it, this University will continue to provide teaching, research and public service at the highest level of quality its resources will support."

CLEMSON ALMA MATER

*Where the Blue Ridge yawns its greatness
Where the Tigers play;
Here the sons of dear old Clemson,
Reign supreme always.*

CHORUS

*Dear old Clemson, we will triumph
And with all our might
That the Tiger's roar may echo
O'er the mountain height.*

Words by A. C. Corcoran, '19
Music by Dr. Hugh McGarity



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1970-71 BASKETBALL OUTLOOK



Taylor (Tates) Locke
Head Basketball Coach



Bill Clendinen
Assistant Basketball Coach



George Hill
Assistant Basketball Coach



Cliff Malpass
Freshman Basketball Coach

The 1970-71 Clemson basketball season will be a year of adjustment and experimenting for new Tiger head coach Taylor (Tates) Locke and his three-man staff of Bill Clendinen, George Hill and Cliff Malpass. Locke will depend heavily on seven members from last year's Clemson freshman club.

Gone is sharp-shooting guard Butch Zatezalo, who lead the Tigers in scoring the past three seasons and paced the ACC twice.

The Tigers not only lost Zatezalo's scoring, but center Richie Mahaffey, forward Ronnie Yates and forward Greg Latin all bid adieu to Clemson.

Two starters do return for the Tigers, guard Dave Thomas and forward Dickie Foster. Thomas, who will probably be a starter in the backcourt this season averaged 11.6 points per game last season, while Foster averaged 8.0 points and 7.4 rebounds per game.

Guard John Coakley, forwards Paul Holzshu and Jack Ross, return with center Pete Weddell.

Height, which the Tigers have badly needed for the past few seasons, will arrive in the form of Dave Angel, 7-0, and 6-11 John Williams.

Ron Fenwick, the top scorer on the 1969-70 Cub team, has been groomed to take Zatezalo's guard spot. Fenwick pumped in 26.5 points per game last year to set a new Clemson scoring record for the freshman team.

(Home games in bold type)

Dec. 3—Furman	Home
Dec. 5—Mercer	Home
Dec. 18-19—Vanderbilt Tournament	Away
*Jan. 2—South Carolina	Away
Jan. 6—Georgia Tech	Away
*Jan. 9—Virginia	Away
*Jan. 11—Maryland	Away
*Jan. 14—North Carolina	Away
*Jan. 16—Duke	Home
*Jan. 18—N. C. State	Home
Jan. 20—Georgia Tech	Home
Jan. 23—Virginia Tech	Away
*Jan. 28—Virginia	Home
Jan. 30—Indiana State	Home
Feb. 1—Furman	Away
*Feb. 6—South Carolina	Home
Feb. 8—Rollins	Home
*Feb. 12—N. C. State	Charlotte, N. C.
*Feb. 13—North Carolina	Charlotte, N. C.
*Feb. 16—Wake Forest	Away
Feb. 20—Virginia Tech	Home
*Feb. 23—Maryland	Home
*Feb. 26—Wake Forest	Home
*Mar. 3—Duke	Away
*Mar. 11-12-13—ACC Tournament	Greensboro, N. C.

* Denotes Atlantic Coast Conference game.

CLEMSON FOOTBALL



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TOM CANTRELL



ATHLETIC DIRECTOR HOMER RICE



HEAD COACH BILL DOOLEY



Athletic Director Frank Howard



FRANK HOWARD
Athletic Director

Frank Howard stepped aside last December 10th as Clemson head football coach, thus ending the longest tenure in the nation.

The man who had 165 victories to his credit decided 30 years was enough pacing on the sidelines, so he dropped part of his dual role and kept the one labeled athletic director.

During his stay of 39 years on the coaching staff, nine as line coach to Jess Neely, Howard roamed the continent of North America, as well as that of Europe, and spread the good word on his life's work—football—and at the same time, putting in a good word for Clemson.

Howard's victories number him as the 19th leading coach in collegiate football (see table in opposite column). He won more Atlantic Coast Conference championships than anyone else and during his stay at Clemson, he saw 52 different coaches come and go at the other ACC schools.

Howard played in one post season bowl game as an undergraduate at Alabama, went to one as a Clemson assistant coach and then carried six of his own teams to season-ending classics.

The 61-year-old Howard also found time to coach in nine post-season all-star games, and even he is afraid to estimate the number of coaching clinics he has lectured at.

In fact, there isn't much Howard hasn't done—except sit in the stands and watch the Clemson Tigers play a football game—which he'll do this fall.

Responsibilities: As athletic director, is in charge of intercollegiate athletic program at Clemson.

Coaching Experience: Was line coach at Clemson nine years (1931-1939). Head coach at Clemson 30 years from 1940 through 1969. 1970 will be 40th year on Clemson staff.

Personal Information: **Born**—Barlow Bend, Ala., March 25, 1909. **High School**—Attended Barton Academy, graduated from Murphy High, Mobile, Ala., lettered 3 years baseball, 2 basketball, 2 football. **College**—Alabama, graduated with BS degree in business administration in 1931, lettered 3 years football, 3 years baseball. **College fraternity**—Omega Delta Kappa. **Married**—Anna Tribble of Anderson, S. C., Aug. 23, 1933. **Children**—Mrs. Robert E. McClure (Alice) of Gastonia, N. C.; Jimmy (graduated from Clemson with honors, June, 1964. Received master's degree in horticulture from Clemson, May, 1967. Research Assistant, Crop Pest Commission, Clemson University. **Grandchildren:** Robert Howard McClure and Sam Howard McClure.

Bowl Game Participation: 1 as a player (1931 Rose); 1 as an assistant coach (1940 Cotton); 6 as head coach (1949 Gator, 1951 Orange, 1952 Gator, 1957 Orange, 1959 Sugar, 1959 Bluebonnet).

HOWARD RANKS 19th

The National Collegiate Sports Services has compiled a list of top coaches in the nation, active and inactive, based on the number of wins in a career. Frank Howard, who retired last December after coaching the Tigers 30 years, ranks 19th on this all-time list.

Rank	Name	Victories
1.	Amos Alonzo Stagg	314
2.	Glenn (Pop) Warner	313
3.	Warren Woodson	239
4.	Jess Neely	207
5.	Eddie Anderson	201
6.	Dana Bible	198
7.	Fielding Yost	196
8.	Dan McGugin	195
9.	Howard Jones	194
*10.	Paul W. (Bear) Bryant	193
11.	John Heisman	184
12.	Carl Snavely	180
13.	Gil Dobie	179
*14.	Johnny Vaught	178
15.	Bob Neyland	173
16.	Wallace Wade	171
17.	Lynn (Pappy) Waldorf	170
18.	Earl (Red) Blaik	166
19.	Bobby Dodd	165
19.	FRANK HOWARD	165
21.	Don Faurot	164
22.	Ossie Solem	162
*23.	Ben Schwartzwalder	160
24.	Francis Schmidt	158
*24.	Woody Hayes	158
26.	Edward Robinson	156

*—denotes active coach

(NOTE: Both Jess Neely, listed as No. 4, and John Heisman, listed as No. 11, are former head coaches at Clemson).



CECIL (HOOTIE) INGRAM
Head Football Coach

Ingram Is 18th Head Coach At Clemson

Cecil Wayne (Hootie) Ingram, Jr., became Clemson's 18th head football coach last December 17th, one week after Frank Howard retired from active coaching.

Ingram, who, like Howard, graduated from the University of Alabama, started out in high school coaching and when he took his first collegiate assistantship at Wake Forest in 1960, set a goal of becoming a head coach in 10 years. Just as planned, he made it.

Following one year with the Deacons, he toiled and listened three years at Virginia Tech, another three at Georgia and a final trio at Arkansas before accepting the Clemson offer.

Ingram found, in his words, "not many great football players, but more than our share of good ones" at Clemson. He made the best of 20 spring practice days.

Now, with the first season to call their own, Ingram and his staff are anxious to put their ideas to work, to recruit their first complete freshman team and to continue the Clemson tradition—a solid football program.

Appointment. Joined Clemson staff Dec. 17, 1969. Came to Clemson from University of Arkansas staff.

Responsibilities: Serves as head football coach. Is in charge of entire football program.

Coaching Experience: Head coach at Bradenton (Fla.) High School one year; head coach at Tuscaloosa County

(Ala.) High School three years; assistant coach one year (1960) at Wake Forest University; assistant coach three years (1961-62-63) at Virginia Tech; assistant coach three years at University of Georgia (1964-65-66); assistant coach three years (1967-68-69) at University of Arkansas. 1970 will be first year on Clemson staff.

Personal Information: **Born**—Tuscaloosa, Ala., Sept. 2, 1933. Graduated from Tuscaloosa High School. Lettered 3 years in football, 3 years in basketball, 3 years in baseball, 1 year in track. **College**—University of Alabama, graduated with BS degree in education in 1955. Lettered 3 years in football, 3 years in baseball. Named All-Southeastern Conference defensive back in 1952 when he led nation in interceptions (10) and yards returned (163). These are still Alabama and SEC records. Received MA degree in school administration from Alabama. **Married**—Toni Snider of Tuscaloosa, Ala., Jan. 27, 1955. (Mrs. Ingram earned undergraduate and masters degrees at Alabama. **Children**—2 daughters, Robin, born Dec. 19, 1955 (9th grade) and Lane, born April 21, 1963 (2nd grade); and one son, Cecil, III, born Aug. 10, 1959 (6th grade).

Bowl game Participation: 2 as player (1953 Orange, 1954 Cotton); 4 as an assistant coach (1965 Sun and 1967 Cotton with Georgia; 1969 Sugar and 1970 Sugar with Arkansas).

THE U. N. C. SERIES

Three weeks ago Clemson faced the leading passer in Atlantic Coast Conference history in Duke's Leo Hart. Before the sun sets today, the Tigers will have faced the leading rusher in ACC history.

Don McCauley of North Carolina needs to gain two yards against the Tigers to own that honor.

And he's expected to do it!

McCauley already has tucked in his record book the season rushing record. He enters the game with 1,257 yards on the ground, the previous high being 1,213 by Frank Quayle of Virginia.

Now, he is going for another Quayle mark. The former Cavalier star blitzed opposing teams for 2,695 yards in three years and McCauley now has 2,694.

Clemson has its own record-setters in today's game also.

Quarterback Tommy Kendrick broke the all-time Tiger passing yardage mark against Florida State last Saturday night and now totals 2,636 yards. Jimmy Addison had the record, but Kendrick is now 20 yards past him.

Kendrick had 48 pass attempts, 25 completions and 53 offensive plays against Florida State, all Clemson one-game records.

Eddie Seigler booted two field goals in the Seminole game, giving his seven on the year and that ties a school record. He already owns the record for distance at 48 yards.

These record pacers are ready to add to their totals today, so don't be surprised at a high scoring contest. Each team is capable of wearing pencil pushers down.

The Tiger-Tar Heel series is an old one, but it hasn't been as consistent as some other teams on Clemson's schedule.

Actually, the two schools met first in 1897, the second year Clemson fielded a team, and North Carolina won, 28-0. The fifth meeting was in 1915 and the Tar Heels broke a two-all tie with a 9-7 win.

There was not a game between the two from 1915 until 1957 when Jim Tatum's team routed the Tigers, 26-0. But Frank Howard got revenge next year with a 26-21 triumph, which was his 100th coaching victory.

In 13 games as ACC members, Clemson holds a 9-4 edge and leads the overall series, 11-7. The Tar Heels won last year, 32-15, after Clemson had won the three games previously.

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LEWIS JOLLEY

BELL TOWER, THE UNIVERSITY OF NORTH CAROLINA

1970-Clemson University Freshman Football Roster-1970

Name	Pos.	Birthdate	Hgt.	Wgt.	Hometown, High School, High School Coach
Karl Andreas	DB	8-7-52	6-3	190	Slatington, Pa., Slatington, Paul Turner
Gordy Bengel	TB	7-18-52	6-2	195	Baltimore, Md., Calvert Hall, Joseph Carlozo
John Bolubaz	LB	7-19-52	6-3	199	Elizabeth, Pa., Elizabeth Forward, George Hayes
Art Brisacher	T	3-30-52	6-3	215	Fairfield, N. J., West Essex, Vernon J. Young
Gary Brown	T	6-7-52	6-2	220	Wayne, N. J., Wayne Valley, Ken Sinofsky
Mike Buckner	HB	7-29-52	6-0	180	Morristown, Tenn., E. Morristown, Rex Dockery
Curtis Buttermore	T	9-7-52	6-1	230	Perryopolis, Pa., Frazier, Ed Yeash
Jerry Davis	E	3-30-52	6-1	170	Walterboro, S. C., Walterboro, Dick Covington
Luke Deanhardt	FB	7-14-52	6-3	195	Johnson City, Tenn., Science Hill, Bob Evans
Bruce Decock	FB	9-16-53	6-1	210	Kittanning, Pa., Kittanning, David Ullon
Mark Fellars	QB	1-21-52	6-2	170	Charlotte, N. C., Myers Park, Gus Purcell
Randy Flanders	HB	7-15-52	6-0	175	Winnsboro, S. C., Winnsboro, Joe Turbeville
Jon Gaspich	T	10-20-52	6-4	225	Bricktownship, N. J., Bricktownship, Warren Wolf
Brian Hoffman	DB	9-14-52	6-0	180	Fairfax, Va., W. T. Woodson, Richard Pugh
Lawson Holland	QB	9-29-52	6-2	175	Mooresville, N. C., Mooresville Sr., Perry Pearson
John Lewis	HB	3-27-51	6-2	200	Norfolk, Va., Ferguson, Wayne Begor
Mike Lhotsky	T	8-17-52	6-1	200	Baltimore, Md., Archbishop Curley, Dick Patry
Randy Mahaffey	FB	1-22-52	6-1	200	Greenville, S. C., Parker, Whitey Kendall
Henry Merz	T	2-29-52	6-2	220	Oakridge, N. J., Jefferson TWP, Walton Cueman
Darrell Mullins	HB	7-31-52	5-11	165	Johnson City, Tenn., Hapley Valley, Ted Maxwell
Albert Murray	T	1-15-52	6-2	230	Tampa, Fla., King, Dick O'Brien
Jack Palmer	G	4-2-52	6-0	200	Thomasville, Ga., Thomasville, Lee Forehand
Ken Pengitore	QB	3-27-52	6-0	195	Haledon, N. J., Manchester, Jefferson Holbert
Marion Reeves	HB	2-23-52	6-1	185	Irmo, S. C., Irmo, Ernest Nivens
Jim Riddell	QB	8-14-51	6-1	180	Tampa, Fla., Hillsborough, Billy Turner
John Ross	E	9-4-52	6-2	190	Anderson, S. C., T. L. Hanna, Jim Fraser
Mike Sanders	HB	6-16-52	6-1	180	Central, S. C., Daniel, Dick Singleton
Keith Slomp	HB	7-16-52	6-1	180	Johnson City, Tenn., Science Hill, Bob Evans
Bob "T-Boy" Smith	T	8-13-52	6-1	200	Clemson, S. C., Daniel, Dick Singleton
Skip Stombaugh	QB	2-15-52	6-0	205	Beltsville, Md., High Point, John Voight
Mark Szabad	T	7-4-52	6-3	200	Kettering, Ohio, Archbishop Alter, Bill Rankin
Lavern Thrailkill	LB	1-5-52	6-0	190	Greenwood, S. C., Greenwood, Pinky Babb
Phil Waters	LB	6-29-52	6-2	205	Silver Spring, Md., Springbrook, Pete Lerario
David Young	QB	6-1-52	6-3	180	Columbia, S. C., Dreher, Earl Rankin

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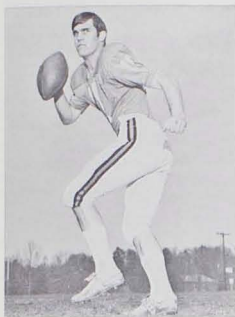
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11—QB—Donald Arthur (Don) Wiggins—Junior—5-1—175—9-17-48—Pt. Pleasant, W. Va. . . . was third team quarterback last season . . . lettered three years in football and two years each in baseball, basketball and track at Point Pleasant High School . . . hard worker for FCA organization at Clemson . . . father is a foreman . . . majoring in economics.



76—DT—Frank William (Frank) Wirth—Sophomore—6-2—210—2-15-51 — Schnockville, Pa. starter on freshman team last year . . . listed number two tackle, behind Daniel this year . . . will see a lot of action . . . attended Parkland High School and earned three letters each in football and wrestling and two in track . . . father is in the trucking business . . . industrial education major.



34—TB—Raymond Andrew (Ray) Yauger—Senior—5-10—191—5-30-49—Uniontown, Pa. . . . one of greatest rushers in Clemson history . . . was All-ACC and all-state last year . . . leading rusher and second on team in total offense last year with 968 yards . . . fifth ranked rusher in Clemson history . . . sure bet for All-ACC honors again and possible All-American . . . father is brick mason . . . industrial management major.

Alphabetical Roster

- 19 Addison, qb
- 49 Anderson, B., db
- 25 Anderson, J., oe
- 91 Anderson, T., oe
- 92 Bacon, oe
- 95 Baker, de
- 61 Bell, og
- 31 Bosler, tb
- 36 Bukowsky, tb
- 66 Caldwell, og
- 50 Calhoun, c
- 39 Calhoun, tb
- 84 Carter, oe
- 18 Casady, s
- 74 Chamberlain, ot
- 23 Chesnut, tb
- 51 Childers, c
- 4 Coleman, p
- 77 Daniel, dt
- 29 Davis, lb
- 73 Dorn, ot
- 49 Doyle, tb
- 88 Ducworth, de
- 55 Elvington, dt
- 86 Ethredge, lb
- 59 Ethridge, db
- 20 Eyler, lb
- 53 Farnham, c
- 22 Galuska, flk
- 72 Gennerich, ot
- 53 Gilstrap, E., s
- 10 Gilstrap, R., qb
- 96 Greenwalt, de
- 35 Hall, flk
- 57 Harrell, c
- 46 Heckle, lb
- 62 Helmer, lb
- 15 Henry, rc
- 60 Hicks, de
- 76 Hopkins, og
- 27 Huntley, tb
- 87 Johnson, flk
- 21 Kelley, lb
- 14 Kendrick, qb
- 75 King, og
- 38 Laska, tb
- 43 Lawson, tb
- 78 Lewter, ot
- 97 Long, de
- 89 Lundeen, de
- 47 McLaurin, db
- 99 McMahon, dt
- 85 McMakin, oe
- 12 Mathews, qb
- 94 Mayer, de
- 63 Milton, og
- 45 Newell, lb
- 26 O'Neal, flk
- 70 Price, dt
- 30 Purcell, ot
- 30 Rhodes, lb
- 16 Richardson, lc
- 16 Sasser, s
- 3 Seigler, pk
- 81 Shell, flk
- 42 Siepe, rc
- 69 Smith, ot
- 13 Sokohl, qb
- 68 Squires, dt
- 79 Strayer, ot
- 80 Suravage, lb
- 52 Thompson, og
- 41 Walters, H., tb
- 54 Watson, lb
- 71 Watts, ot
- 11 Wiggins, qb
- 56 Wilson, lb
- 67 Wirth, dt
- 34 Yauger, tb

1970-Clemson University Varsity Football Roster - 1970

No.	NAME	POS.	BIRTHDATE	HGT.	WGT.	LTRS.	CLASS	HOMETOWN, HIGH SCHOOL, HIGH SCHOOL COACH
3	Eddie Seigler	PK	4-7-51	6-0	162	0	So.	Greenwood, S. C., Greenwood, Pinsky Babb
4	Trippy Coleman	QB	12-11-50	6-4	182	0	So.	Fampliro, S. C., Hammond-Hampico, Buzza Bowen
9	Raymond Nelson	QB	12-24-51	5-10	171	0	So.	Charleston, S. C., 12-24-51, Jack Canley
10	Rick Gilstrap	QB	6-23-50	6-3	204	1	Jr.	Eastley, S. C., Eastley, Larry Baywell
11	Don Waggon	QB	6-17-48	6-1	179	1	Jr.	Pleasant, W. Va., Point Pleasant, Bob Shertzer
12	Mike Mathews	QB	4-17-51	6-2	190	0	So.	Canton, N. C., Pisgah, Boyd Allen
13	Jack Sokohl	QB	4-7-50	6-3	190	0	So.	Chattanooga, Tenn., McCallie, John Day
14	Tommy Kendrick	QB	8-11-50	6-1	187	1	Jr.	Stone Mountain, Ga., Clarkston, Jim Ackerman
15	Dale Henry	RC	4-25-49	6-1	188	1	Jr.	Maggie Valley, N. C., Tuscola, Cliff Brookshire
16	David Sasser	S	1-11-51	6-2	187	0	So.	Savannah, Ga., Groves, Jack Miller
17	Doug Hazelrigs	DE	10-17-50	6-0	183	0	So.	Atlanta, Ga., Walker, Howard Lock
18	Sonny Conasady	S	6-28-49	6-4	195	2	Sr.	Bassett, Va., Bassett, Wayne Turner
19	Billy Addison	QB	6-7-51	6-0	155	0	So.	Fairfax, Ala., Valley, Doug Lockridge
20	Rick Eyles	DB	1-1-49	5-11	182	1	Jr.	Westminister, Md., Westminister, Earl Herch
21	Don Kelley	LC	8-17-50	6-1	174	1	Jr.	Greenville, S. C., Greenville Senior, Slick Moore
22	Pete Galuska	FLK	6-29-49	6-1	185	1	Jr.	Rochester, Minn., Lourdes, Joe Mayor
23	Jimmy Chesnut	TB	4-5-51	5-8	185	0	So.	Tucker, Ga., Tucker, Jack Wilks
24	Dwayne Windham	LC	4-29-50	5-11	166	0	So.	Sumter, S. C., Edmunds, Steve Statfield
25	Jack Anderson	OE	10-29-48	6-1	200	2	Sr.	Travelers Rest, S. C., Travelers Rest, Dean Bolin
26	Brad O'Neal	TB	5-28-48	6-1	176	1	Jr.	Fairfax, S. C., Allendale-Fairfax, Bruce Tate
27	Chuck Hundley	TB	7-30-51	5-8	182	0	So.	Greenwood, S. C., Greenwood, Pinsky Babb
28	Pat Shealy	LC	12-13-49	6-0	180	0	So.	Graniteville, S. C., Graniteville, Henry Walker
29	Heide Davis	LB	5-13-51	5-10	182	0	So.	Greenville, S. C., Wade Hampton, Vernon Prather
30	John Rhodes	LB	9-20-51	6-1/2	200	0	So.	Franklin Lakes, N. J., Ramapo, Prentice Beers
31	Bob Bosler	TB	10-31-51	5-9	180	0	So.	Camp Springs, Md., DeMattha Catholic, Morgan Wooten
32	Leo Haddock	DE	3-6-47	5-11	180	1	Jr.	Atlanta, Ga., Walter F. George, C. O. Kelly
33	Earl Gilstrap	S	2-3-49	5-10	190	0	Jr.	Eastley, S. C., Eastley, Larry Baywell
34	Ray Yauger	TB	5-30-49	5-10	191	2	Sr.	Uniontown, Pa., Laurel Highlands, Fred Bell
35	Tom Hall	FLK	1-9-51	6-2	174	1	Jr.	Canton, N. C., Pisgah, Boyd Allen
36	Rick Bakowski	FB	6-22-50	6-2 1/2	208	1	Jr.	Baltimore, Md., McDonough, Richmond Working
37	Tom Collins	FB	12-24-49	5-11	180	0	So.	Columbus, Ga., Columbus, Alvin Davis
39	Senny Callahan	TB	7-18-50	6-0	175	0	So.	Summerville, S. C., Summerville, John McKissick
41	Henry Walters	FB	11-10-49	5-9	175	0	So.	Anderson, S. C., T. L. Hanna, Joe Hazel
42	Jeff Siepe	RC	12-4-51	6-1	173	0	So.	Waynes, N. J., Wayne Valley, Ken Sincely
43	Larry Lawson	RC	4-4-51	5-11	180	1	Jr.	High Point, N. C., Reynolds, Tommy Younts
44	Mike Newell	LB	11-24-49	6-0	190	1	Jr.	Winder, Ga., Winder Barrow, Bob Dixon
45	Tony Anderson	OE	7-1-51	6-1/2	188	0	So.	Travelers Rest, S. C., Travelers Rest, Dean Bolin
46	Jimmy Heckie	LB	10-18-49	6-0	165	0	So.	Rock Hill, S. C., Rock Hill, Tommy Oates
47	Jewell McArthur	DE	6-24-50	6-3	190	1	Jr.	Dillon, S. C., Dillon, George Brown
48	Ben Anderson	DB	9-25-51	6-0	168	0	So.	Edgewater, S. C., Strom Thurmond, Hubert Morris
49	Tim Doyle	FB	3-17-51	6-0	187	0	So.	Dundalk, Md., Archbishop Curley, Richard Patury
50	Terry Calhoun	T	1-3-51	6-3	234	0	So.	Hyattsville, Md., DeMattha Catholic, Morgan Wooten
51	Stan Childers	C	3-19-50	5-9	183	0	So.	Great Falls, S. C., Great Falls, Harvey Stewart
52	Dave Thompson	OG	4-4-51	6-4	203	2	Sr.	Fairfax, Ala., Valley, Doug Lockridge
53	Dave Farnham	C	10-24-50	6-1/2	214	1	Jr.	Travelers Rest, S. C., Travelers Rest, Dean Bolin
54	Ben Watson	LB	5-6-49	6-0	192	1	Jr.	North Augusta, S. C., North Augusta, Jim Buiat
55	B. B. Elvington	DT	6-2-49	6-3	211	2	Sr.	Lake View, S. C., Lake View, Fred Bradley
56	Mac Wilcox	DE	2-4-50	5-10	186	1	Jr.	Atlanta, Ga., Therrall, Clark Brown
57	Ricky Harrell	C	8-6-51	6-3	210	0	So.	Morristown, Tenn., Morristown-Hamden East, Rex Dockery
58	Jack Jackson	C	12-25-49	6-0	200	1	Jr.	Batesburg, S. C., Batesburg-Leesville, W. R. McGill
59	Brooks Ehridge	LB	2-28-51	6-0	204	0	So.	Lake City, Fla., Columbia, Paul Quinn
60	Kerry Hicks	DE	3-30-51	6-2	200	0	So.	Oakland, N. J., Indian Hills, Henry Boggio
61	Len Bell	OG	8-30-48	6-0	211	1	Jr.	Orangeburg, S. C., Orangeburg, Jack Miller
62	Larry Helzer	LB	6-6-51	6-3	208	0	So.	Charlotte, N. C., North Mecklenburg, Mack Haynes
63	Fred Milton	OG	2-6-48	6-2 1/2	205	2	Sr.	Lake City, Fla., Columbia, Paul Quinn
64	Dave McMahon	DT	2-4-49	6-3	227	1	Jr.	Sevierville, Tenn., Sevier County, Tom Bass
65	Walter West	OG	11-7-50	6-2	197	0	So.	Eastley, S. C., Eastley, Larry Baywell
66	Charlie Caldwell	OG	5-4-49	6-4	227	1	Jr.	Roadsboro, Ala., Handley, William Tucker
67	Frank Wirth	DT	2-15-51	6-2	210	0	So.	Schencksville, Pa., Parkland, Joe Gierencner
68	Trappie Spikes	FB	5-19-51	6-2 1/2	208	1	Jr.	Greenwood, S. C., Greenwood, Pinsky Babb
69	Gerold Smith	OT	8-16-51	6-6	213	0	So.	Dublin, Ga., Dublin, Don Denning
70	John Price	DT	10-24-51	6-3	234	0	So.	Martin, S. C., Allendale-Fairfax, Bobby McAllan
71	Waldo Watts	OT	10-18-48	6-6	239	1	Jr.	Greenville, S. C., Wade Hampton, Vernon Prather
72	Gary Genserich	OT	8-28-51	6-2	201	0	So.	Wayne, N. J., Wayne Valley, Ken Sincely
73	Jim Dorn	OT	5-24-49	6-3	208	1	Jr.	Charleston, S. C., Rivers, Harry Blanchard
74	Forcy Chamberlain	OT	5-19-51	6-0	210	0	So.	Pompton Plains, N. J., Pequannock Township, Len Smith
75	Buddy King	OG	9-29-51	6-0	210	0	So.	Concord, Calif., Mt. Diablo, Hart Fairclough
76	Stan Hopkins	OG	11-26-49	6-2	205	0	So.	Travelers Rest, S. C., Travelers Rest, Dean Bolin
77	Ralph Daniel	OT	6-28-49	6-1/2	222	1	Jr.	Lavonia, Ga., Tallahassee, Larry Tate
78	Steve Lawler	OT	2-1-49	6-4	230	1	Jr.	Clarkston, Ga., Clarkston, Jim Ackerman
80	Jim Sursavage	LB	11-21-48	6-3	210	2	Sr.	Andrews, N. C., Andrews, Hugh Hamilton
81	Bob Sheil	FLK	12-23-51	6-2	182	0	So.	Atlanta, Ga., St. Pius X, George Mabel
82	Steve Long	DE	5-4-51	6-2	197	0	So.	Monroe, Ga., Monroe Area, Ray Hicks
83	Jim Holbrook	OE	1-11-50	6-0	178	0	So.	Greensboro, N. C., Page, Les Swanner
84	Oscar Carter	OT	12-2-47	6-3	204	1	Jr.	Dillon, S. C., Dillon, George Brown
85	John McKinn	OE	9-24-50	6-3	196	1	Jr.	Tucker, Ga., Tucker, Jack Wilks
86	Don Ehrigede	LB	4-14-50	6-1	203	1	Jr.	Charleston, S. C., St. Andrews, Terry Weed
87	Bobby Johnson	FLK	6-30-50	6-3	173	0	So.	Columbia, S. C., Eau Claire, Jim Statfield
88	George Ducworth	DE	3-31-49	6-2	200	2	Sr.	Anderson, S. C., T. L. Hanna, Joe Hazel
89	Danny Lundein	DE	6-26-51	6-3	195	0	So.	Temple Terrace, Fla., King, Dick O'Brien
90	Malcolm Paulkenberry	DT	9-30-51	6-0	195	0	So.	Kershaw, S. C., Kershaw, Bill Few
92	Roger Puroell	OT	8-11-51	6-4	201	0	So.	Marionetta, Ga., McEachern, Glenn Cato
93	Doyle Varnadore	DT	11-27-50	6-3	214	0	So.	Great Falls, S. C., Great Falls, Harvey Stewart
94	Charlie Maynard	DE	11-7-50	6-0	210	1	Jr.	Little Mountain, S. C., Mid-Carolina, Lon Armstrong
95	Wayne Barker	OT	6-30-50	6-3	190	1	Jr.	Oakland, N. J., Indian Hills, Henry Boggio
96	Stan Greenswail	DE	6-29-51	6-0	197	0	So.	Oxon Hill, Md., Crossland, John Merricks
98	Johnny Wood	LB	3-4-49	6-2	193	0	So.	Great Falls, S. C., Great Falls, Harvey Stewart
99	Joe Sutton	OG	9-13-51	6-0	206	0	So.	Fort Mill, S. C., Indian Land, R. O. Fotts

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85	JOHN McMAKIN	TE
14	TOMMY KENDRICK	QB
34	RAY YAUGER	TB
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36	DICK BUKOWSKY	FB

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55	B. B. ELVINGTON	RT
54	BEN WATSON	RLB
94	CHARLIE MAYER	RE
21	DON KELLEY	LC
42	JEWELL McLAURIN	RC
20	RICK EYLER	TIGER
48	BEN ANDERSON	SAFETY

DEFENSE

85	BILL BRAFFORD	LE
70	BUD GRISSOM	LT
34	RICKY PACKARD	LLB
65	TOM CANTRELL	LG
56	BILL RICHARDSON	RG
43	JOHN BUNTING	RLB
72	FLIP RAY	RT
83	EUGENE BROWN	RE
11	LOU ANGELO	LB
21	GREG WARD	RH
16	RICHARD STILLEY	SAF

NORTH CAROLINA

OFFENSE

14	RICKY LANIER	SE
60	PAUL HOOLAHAN	LT
74	JIM HAMBACHER	LG
53	KEITH HICKS	C
77	RON GRZYBOWSKI	RG
71	MIKE BOBBITT	RT
80	TONY BLANCHARD	TE
12	PAUL MILLER	QB
23	DON McCAULEY	TB
40	LEWIS JOLLEY	WB
33	GEOF HAMLIN	FB

THE TIGER SQUAD

3	Seigler, PK	51	Childers, C
4	Coleman, P	52	Thompson, OG
10	R. Gilstrap, QB	53	Farnham, C
11	Wiggins, QB	54	Watson, LB
12	Mathews, QB	55	Elvington, DT
13	Sokohl, QB	56	Wilson, LB
14	Kendrick, QB	57	Harrell, C
15	Henry, RC	59	Ethridge, LB
16	Sasser, S	60	Hicks, DE
17	Hazelrigs, DB	61	Bell, OG
18	Cassady, S	62	Hefner, LB
19	Addison, QB	63	Milton, OG
20	Eyler, DB	64	McMahan, DT
21	Kelley, LC	66	Caldwell, OG
22	Galuska, FLK	67	Wirth, DT
23	Chesnut, TB	68	Squires, DT
25	J. Anderson, OE	69	Smith, OT
26	O'Neal, FLK	70	Price, DT
27	Huntley, TB	71	Watts, OT
29	Davis, LB	72	Gennerich, OT
30	Rhodes, LB	73	Dorn, OT
31	Bosler, TB	74	Chamberlain, DT
32	Haddock, DE	75	King, OG
33	E. Gilstrap, S	76	Hopkins, OG
34	Yauger, TB	77	Daniel, DT
35	Hall, FLK	78	Lewter, OT
36	Bukowsky, FB	80	Sursavage, LB
39	Callahan, TB	81	Shell, FLK
41	Walters, FB	84	Carter, OE
42	Siepe, RC	85	McMakin, OE
43	Lawson, TB	86	Ethredge, LB
44	T. Anderson, OE	87	Johnson, FLK
45	Newell, LB	88	Ducworth, DE
46	Heckle, LB	89	Lundeen, DE
47	McLaurin, DB	94	Mayer, DE
48	B. Anderson, DB	95	Baker, DE
49	Doyle, FB	96	Greenawalt, DE
50	Calhoun, T	97	Long, DE

THE TAR HEEL SQUAD

10	Mansfield, QB	52	Anderson, DG
11	Angelo, DB	53	Hicks, C
12	Miller, QB	54	Simpson, DT
14	Lanier, OE	55	Taylor, C
15	Lee, QB	56	Richardson, DG
16	Stilley, DB	57	Roberts, C
17	Swofford, QB	58	Thornton, C
18	Shore, QB	60	Hoolahan, OT
19	Garrett, DB	61	Gerloff, DT
20	Culbreth, DB	62	Rusnak, OG
21	Ward, DB	63	VandenBroek, DT
23	McCauley, OHB	64	Papal, OG
24	Oglesby, OHB	65	Cantrell, DG
25	Whitehorne, OE	66	Early, DG
26	Alvis, OE	67	Arnold, OG
28	Sigler, OHB	68	Riddle, DG
29	Ross, LB	69	Schult, OT
30	Perry, OHB	70	B. Grissom, DT
31	Taylor, KS	71	Bobbitt, OT
32	Bethea, DB	72	Ray, DT
33	Hamlin, FB	73	Sain, OT
34	Packard, LB	74	Hambacher, OG
35	Moore, FB	75	Lookabill, OT
36	Craven, KS	76	Hyman, DT
37	Cook, LB	77	Grzybowski, OG
38	Kirkpatrick, FB	78	Moore, OT
40	Jolley, OHB	79	R. Grissom, DT
41	Hite, OHB	80	Blanchard, OE
42	Windham, LB	81	Chapman, DE
43	Bunting, LB	82	Smith, DE
44	Webster, LB	83	Brown, DE
47	Lemmons, DB	85	Brafford, DE
48	Prestwich, OE	86	Taylor, OE
49	Bridges, DB	87	Cowell, OE
51	Hodgin, C	88	Berra, OE

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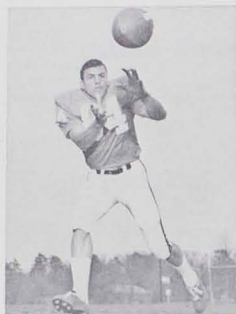
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1970 University of North Carolina Football Roster

No.	Name	Pos.	Hgt.	Wgt.	Age	Class	Hometown
10	Mike Mansfield	QB	5-11	205	19	So.	Norfolk, Va.
11	Lou Angelo	DB	5-11	180	21	So.	Youngstown, Ohio
12	Paul Miller	QB	6-1	176	20	Jr.	Ayden, N. C.
14	Ricky Lanier	OE	6-1	183	21	So.	Williamston, N. C.
15	Chris Lee	QB	6-1	187	19	So.	Elizabeth City, N. C.
16	Richard Stille	DB	6-0	178	20	Jr.	New Bern, N. C.
17	John Swafford	QB	5-10	176	21	Jr.	North Wilkesboro, N. C.
18	Don Shore	QB	6-1	181	20	So.	Sumner, N. C.
19	Richard Garrett	DB	5-9	170	21	Sr.	Durham, N. C.
20	Rusty Culbreth	DB	5-9	167	21	Jr.	Greensboro, N. C.
21	Greg Ward	DB	5-11	179	20	So.	East Point, Ga.
23	Don McCauley	OHB	6-0	208	21	Sr.	Garden City, N. Y.
24	Ike Oglesby	OHB	5-11	190	19	So.	Greensboro, N. C.
25	Les Whiteborne	OE	6-1	195	19	So.	Norfolk, Va.
26	Steve Alvis	OE	6-0	186	21	Jr.	Fairfax, Va.
28	Bill Sigler	OHB	5-10	175	21	Jr.	Springfield, Va.
29	Rusty Ross	LB	6-1	201	21	Sr.	Fairfax, Va.
30	Bucky Perry	OHB	5-9	186	21	Sr.	Tarboro, N. C.
31	Bill Taylor	KS	6-3	195	19	So.	Washington, N. C.
32	Earl Bethea	DB	5-11	178	19	So.	Springfield, S. C.
33	Geoff Hamlin	FB	6-1	200	20	Jr.	Ottawa, Ont.
34	Ricky Packard	LB	5-11	188	20	Jr.	Clinton, N. C.
35	George Moore	FB	6-2	204	19	So.	Farmville, N. C.
36	Ken Craven	KS	5-11	175	20	Jr.	Winston-Salem, N. C.
37	Sam Cook	LB	5-11	190	21	Sr.	Charlotte, N. C.
38	Tim Kirkpatrick	FB	5-10	200	20	So.	Leaksville, N. C.
40	Lewis Jolley	OHB	6-0	205	20	Jr.	Forest City, N. C.
41	Billy Hite	OHB	5-10	180	19	So.	Hyattdale, Md.
42	Steve Windham	LB	6-0	203	19	So.	Wilson, N. C.
43	John Bunting	LB	6-1	207	20	Jr.	Silver Spring, Md.
44	Jim Webster	LB	6-1	195	20	Jr.	Winston-Salem, N. C.
47	Mike Lemmons	DB	5-11	181	19	So.	Hendersonville, N. C.
48	Tom Prestwich	OE	6-2	192	20	So.	Rockville, Md.
49	Tracy Bridges	DB	5-11	181	19	So.	Fairfax, Va.
51	Steve Hodgin	C	6-0	215	21	Jr.	Greensboro, N. C.
52	John Anderson	DG	6-0	210	20	Jr.	Elkin, N. C.
53	Keith Hicks	C	6-0	211	21	Sr.	Fairfax, Va.
54	George Simpson	DT	6-4	218	21	Jr.	Lexington, Va.
55	Rex Taylor	C	6-1	200	19	So.	Marion, N. C.
56	Bill Richardson	DG	6-0	200	21	Sr.	Annapolis, Va.
57	Dave Roberts	C	6-1	215	20	Jr.	Jacksonville, N. C.
58	Bob Thornton	C	6-3	225	19	So.	Richmond, Va.
60	Paul Hoolahan	OT	6-1	225	21	Sr.	Point Lookout, N. Y.
61	Bob Gerloff	DT	6-3	236	19	So.	Virginia Beach, Va.
62	Ron Rusnak	OG	6-0	212	19	So.	Prince George, Va.
63	Robbi VandenBroek	DT	6-1	218	20	So.	Williamsburg, Va.
64	Jim Papai	OG	5-11	209	21	Jr.	Brampton, Ont.
65	Tom Cantrell	DG	6-3	230	22	Sr.	Havre de Grace, Md.
66	Steve Early	DG	6-2	207	19	So.	Marion, N. C.
67	Bill Arnold	DG	6-1	218	19	So.	Staten Island, N. Y.
68	Mel Riddle	OG	6-2	212	20	Jr.	Burgessville, Pa.
69	Bob Schult	OT	6-3	220	22	Sr.	Seaford, N. Y.
70	Bud Grissom	DT	6-1	235	20	Jr.	Washington, N. C.
71	Mike Bobbitt	OT	6-4	230	21	Sr.	Fayetteville, N. C.
72	Flip Ray	DT	6-3	245	22	Sr.	Fort Mill, S. C.
73	Jerry Sain	OT	6-3	222	19	So.	Lincolnton, N. C.
74	Jim Hambacher	OG	6-1	230	22	Sr.	Mountain Side, N. J.
75	Reid Lookbill	OT	6-2	215	21	Jr.	Lexington, N. C.
76	Eric Hyman	DT	6-3	240	21	Jr.	Alexandria, Va.
77	Ron Orzykowski	OG	6-1	233	21	Sr.	Shamokin, Pa.
78	Frank Moore	OT	6-5	235	19	So.	Columbia, S. C.
79	Richard Grissom	DT	6-1	235	19	So.	Washington, N. C.
80	Tony Blanchard	OE	6-3	230	21	Sr.	Falls Church, Va.
81	Bill Chapman	DE	6-1	194	19	So.	Myrtle Beach, S. C.
82	Jan Smith	DE	6-0	205	21	Sr.	Jacksonville, Fla.
83	Gene Brown	DE	6-0	201	20	So.	Norfolk, Va.
85	Bill Bradford	DE	6-2	212	20	Jr.	Raleigh, N. C.
86	Ken Taylor	OE	6-2	208	19	So.	Concord, N. C.
87	Johnny Cowell	OE	6-4	210	20	Jr.	Bayboro, N. C.
88	Ben Berra	OE	6-3	184	20	So.	Trevorton, Pa.



84—OE—Oscar Lee (Oscar) Carter—Senior—6-1—184—12-5-47—Dillon, S. C. . . . did not see much action as a junior last year . . . caught 10 yard scoring pass in 40-0 victory over Maryland . . . will probably be back up for light end John Mc-Makin . . . lettered two years in basketball and football and one year in baseball and three years in track at Dillon High School . . . father is in textiles . . . RPA major.



13—DB—Francis Neil (Sonny) Cassidy—Senior—6-4—195—6-25-18—Bassett, Va. . . . started at defensive back spot last year . . . good speed and size . . . will be starter this fall . . . attended John D. Bassett High School where he earned three letters each in football, basketball and track . . . was all-state in football . . . father is an electrician . . . majoring in recreation and park administration.



79—DT—George Force (Force) Chamberlain, Jr.—6-0—210—3-19-51—Pamplin Plains, N. J. . . . one of promising sophomores who could add bench strength to defensive line . . . lettered three years each in football, baseball and basketball at Pequannock Township High School . . . all conference honorable mention and third team all-state in high school . . . father is a teacher . . . forestry major.



4—P—William Armstrong (Trippy) Coleman, III—Sophomore—6-4-192—12-11-50—Pamplin, S. C. . . . attended Hannah-Pamplico High School and earned three letters in football, two in basketball and golf and one in track . . . played in the North-South All-Star game . . . was most valuable in football and basketball in high school . . . father is an executive . . . industrial management major.



77—DT—Ralph Wray (Ralph) Daniel—Junior—6-½—222—9-26-49—Lavonia, Ga. . . . did not play as freshman . . . starting tackle on last year's team . . . listed as starter again this fall . . . attended Tallulah Falls High School . . . voted to all-Georgia team two consecutive years . . . earned four letters in football and one in track . . . father is a merchant . . . majoring in recreation and park administration.



29—LB—Aaron Heide (Heide) Davis—Sophomore—5-10—182—5-19-51—Greenville, S. C. . . . tailback at Wade Hampton High School but converted to linebacker last year . . . earned three letters each in football and track in high school . . . played in North-South All-Star game . . . listed as starter for this year . . . intercepted five passes last year . . . father is a doctor . . . pre-medicine major.



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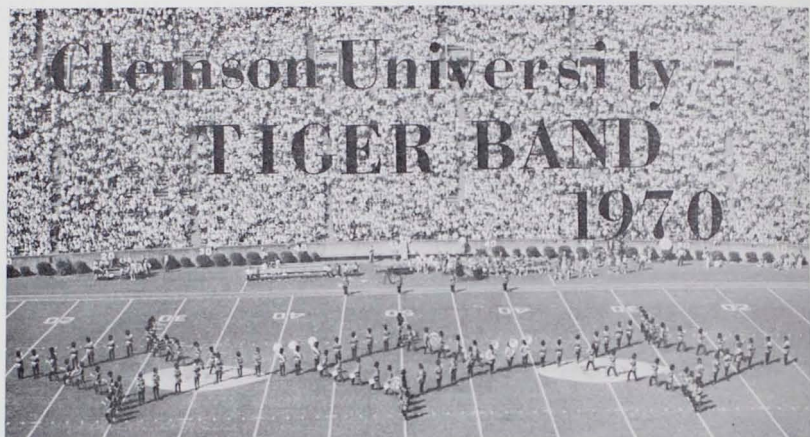
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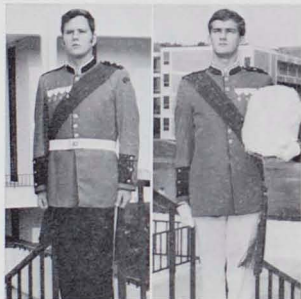
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Clemson University TIGER BAND 1970



Eddie Reed
Commander

Lee McCullough
Drum Major

Band Staff

Band Commander	Eddie Reed
Vice-Commander	Bill Steele
Drum Major	Lee McCullough
Color Guard Captain	Richard Turner
Supply Officer	Chuck Holladay
Sgt. Major	Howdy Gilchrist



Solo Twirlers — Margaret Kirkland, Linda Davis, and Linda Stoddard



Bruce F. Cook
Conductor, Tiger Band

PARENTS' DAY

program

Pre-Game

1:15 P.M. **Clemson University TIGER BAND and Color Guard**

Entrance: "Leathernecks" (Talbot)

Parents' Day Presentations

Clemson University Alma Mater (McGarity-Butler)

National Anthem — TIGER BAND and the University Chorus

Exit: "Tiger Rag" (Arr. Yoder)

Game

1:30 **Clemson University vs. University of North Carolina**

Halftime

University of North Carolina Band

John F. Yesulaitis, Director

Clemson University TIGER BAND

Fanfare: "Don Juan" (Arr. Butler)

Entrance and Drill: "The Standard of St. George" (Alford)

"British Eighth" (Zo Elliott)

Progression Drill: "Sunny" (Arr. Edmunds)

Feature: "Tommy" (Arr. Leach)

Solo Twirlers: Margaret Kirkland, Linda Stoddard, and
and Linda Davis

Exit: "Tiger Rag" (Arr. Yoder)



73—OT—James Walton (Jim) Dorn—Junior—6-3-210—5-24-49—Charleston, S. C. . . . was starting tackle last fall . . . will be pushed for starting role this year by Calhoun and Gennetich . . . very aggressive blocker . . . won two letters in football and one in baseball at Rivers High School . . . father is in finance business . . . majoring in recreation and park administration.



49—FB—Timothy James (Tim) Doyle—Sophomore—6-0-167—3-17-51—Dundalk, Md. . . . carried only nine times for 37 yards during his freshman season last year . . . listed as number two fullback behind Bukowsky . . . earned three letters in football at Archbishop Curley High School and was selected Athlete of the Year . . . father is steel worker . . . majoring in political science.



88—DE—George Marion (George) Ducworth—Senior—6-2-206—5-31-49—Anderson, S. C. . . . listed as second string end for this fall . . . could break into starting lineup . . . older brother, Ronnie, played at Clemson from 1966-68 . . . won scholastic award in football at T. L. Hans High School . . . most valuable in track . . . father is a farmer . . . majoring in dairy science.



55—DT—Boyd Baxter (B. B.) Elvington—Senior—6-3-211—started at middle guard past two seasons . . . will start at tackle this year . . . named most valuable in both football and basketball at Lake View High School . . . won eight letters in three sports . . . candidate for All-ACC laurels this fall . . . father is a farmer . . . majoring in pre-medicine.



86—LB—Don Lawrence (Don) Ehrhede—Junior—6-1-203—4-14-50—Charleston, S. C. . . . lettered as defensive end in 1969 . . . switched to linebacker and listed as second team . . . attended St. Andrews High School and earned three letters each in football, basketball and track . . . played in Shrine Bowl . . . made all-state team in high school . . . father is a machinist . . . industrial management major.



20—DB—Richard William (Rick) Eyler—Senior—5-11-162—1-1-43—Westminster, Md. . . . has played corner and safety . . . listed as starting "tiger" for this fall . . . could rotate with McGuire . . . was Maryland state scoring champion while at Westminster Senior High School . . . all-conference linebacker and halfback in high school . . . father is an electrician . . . recreation and park administration major.

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ATHLETIC STAFF MEMBERS



Bill McLellan
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Gene Willimon
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Director



Steve Gibert
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tramural Sports



Bob Smith
Manager of Ath-
letic Facilities



Fred Cone
Chief Recruiter



Bobby Long
Assistant Recruiter



Rick Robbins
Academic Advisor



P. Wee Greenfield
Track Coach



Bill Wilhelm
Baseball Coach



Duane Bruley
Tennis Coach



Fred Hoover
Head Trainer



Andy Clawson
Assistant Trainer



Herman McGee
Assistant Trainer



Tom Burton
Equipment Manager



Carl McHugh
Swimming Coach



Ibrahim Ibrahim
Soccer Coach



Dr. Jud Hair
Team Physician



Dr. Jim Bowers
Associate Team
Physician



Dr. John Vaughn
Associate Team
Physician



Billie Norris
Custodian, Little-
john Coliseum



Bob Bradley
Sports Information
Director



Jerry Arp
Assistant Sports
Information Director

Offensive Coaching Staff . . .

OFFENSIVE LINE COACH

COACH RONALD PEARCE (WHITE) JORDAN. Joined Clemson staff July, 1959. Came to Clemson after college graduation.

Responsibilities: Assistant football coach working with offensive interior linemen. **Coaching Experience:** College—assisted with freshman team as a student while finishing up work on degree. Assistant freshman coach four years. Head freshman coach in 1964. 1970 will be 12th year on Clemson staff.



Jordan

Personal Information: Born—Florence, S. C., May 14, 1936. **High School**—Florence High School, lettered in football, baseball and basketball. **College**—Clemson, graduated with BS degree in education in 1959. Lettered in football three years. **Married**—Kappy Stewart of Florence, S. C., June 5, 1955. **Children**—Kim, born April 6, 1956 (9th grade); Karol, born Aug. 5, 1958 (7th grade); Stewart, born Oct. 19, 1959 (6th grade); Joe Kyle, born Aug. 16, 1962 (3rd grade).

Bowl Game Participation: 1 as a player (1957 Orange), 2 as an assistant coach (1959 Sugar, 1959 Bluebonnet).

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OFFENSIVE BACKFIELD COACH

COACH DOUGLAS N. (DOUG) BARFIELD. Joined Clemson staff Jan. 15, 1970. Came to Clemson from University of Southern Mississippi.

Responsibilities: Assistant coach working with offensive backfield.



Barfield

Coaching Experience: High School

—Served one year as assistant coach at Grove Hill (Ala.) High School; served two years as sports and athletic director at Fort Bliss (Texas); coached at University Military School, Mobile, Ala., five years, two as assistant coach, three years as head coach, capturing three conference titles; was head coach two years at Andalusia (Ala.) High School. Coached in Alabama High School all-star game in 1964. Was coach-of-year in South Alabama Conference in 1965. 1970 will be first year on Clemson staff. **College**—Served three years as offensive backfield coach at University of Southern Mississippi.

Personal Information: Born—Grove Hill, Ala., March 14, 1936. **High School**—Graduated from Grove Hill (Ala.) High School. Earned 11 letters in three sports. **College**—University of Southern Mississippi, graduated with BS degree in physical education in 1957. Lettered 3 years in football (quarterback) and 3 years in baseball. Chosen permanent captain his senior year (1956). **Service**—U. S. Army, 2 years. **Married**—Betty Plummer of Grove Hill, Ala., June 23, 1957. **Children**—Gary, born Sept. 30, 1959 (6th grade); Kathy, born June 4, 1961 (4th grade).

OFFENSIVE END, FLANKER COACH

COACH LAWRENCE MICHAEL (LARRY) BECKISH. Joined Clemson staff February 1, 1968. Came to Clemson from University of Tampa (Fla.).

Responsibilities: Assistant varsity football coach working with offensive ends and flankers.



Beckish

Coaching Experience: College—served as graduate assistant in 1964 working with defensive ends at Wichita State; defensive end coach at Wichita State, 1965; was offensive line coach at University of Tampa 1966 and 1967. 1970 will be third year on Clemson staff.

Personal Information: Born—Haledon, N. J., Oct. 11, 1942. **High School**—Paterson, (N. J.) Central High School, lettered 4 years in baseball and 4 years in football. **College**—Wichita State, graduated in 1963 with BA degree in education, lettered 3 years in football. Named to All-Missouri Valley Conference team as end. Captained 1963 Wichita State team. **Married**—Alice Morley of Wichita Kansas, April 25, 1964. **Children**—Michael, born Jan. 20, 1965; Chris, born Dec. 1, 1969.

Bowl Game Participation: 1 as player (1961 Sun Bowl with Wichita State).

Defensive Coaching Staff

DEFENSIVE LINE COACH

COACH THOMAS SIDNEY (TOM) BASS. Joined Clemson staff Feb. 19, 1967 from coaching staff at University of Tennessee.

Responsibilities: Assistant football coach working with defensive line.

Coaching Experience: Assistant coach at Sevier County High School, Sevierville, Tenn., one year. Head coach at Sevier County High School four years with a 35-7-2 record. Assistant freshman football coach at University of Tennessee in 1966. Was East Tennessee coach-of-the-year in 1964; also Knoxville Journal coach-of-the-year. Teams always finished in Top 10 in Tennessee. 1970 will be fourth year on Clemson staff.



Bass

Personal Information: Born—Mooresville, N. C., Sept. 18, 1936. **High School:** Mooresville High School. Lettered two years in football, two in baseball and two in basketball. **College:** Maryville College, Maryville, Tenn., graduated with BA degree in biology in 1960. Lettered three years in football, three in baseball and three in wrestling. Has completed all work except thesis in science education at University of Tennessee. **Service:** Paratrooper with 82nd Airborne two years. Played service baseball. **College fraternity:** Alpha Sigma. **Married:** Susan Price of Knoxville, Tenn., Feb. 19, 1964. **Children:** Thomas Stephen, born Oct. 13, 1966; Laura Jayne, born Sept. 7, 1968.

DEFENSIVE BACKFIELD COACH

COACH GEORGE WALLACE (GEORGE) MacINTYRE. Joined Clemson staff Jan. 20, 1970. Came to Clemson from University of Tampa.

Responsibilities: Assistant football coach working with defensive backfield.



MacIntyre

Coaching Experience: High School—Served one year as defensive coach and one year as offensive backfield coach at Terry Parker High School in Jacksonville, Fla. **College:** Served four years (1964-67) as head recruiter and head freshman coach at University of Miami (Fla.); was head defensive coach working with backs at University of Tampa two years (1968-69). 1970 will be first season on Clemson staff. **Personal Information:** Born—St. Petersburg, Fla., April 30, 1939. **High School:** Graduated from Andrew Jackson High School, Jacksonville, Fla. Lettered 3 years in football, 3 years in baseball, 2 years in basketball. **College:** University of Miami (Fla.), graduated with BS degree in physical education. Lettered three years in football as quarterback and defensive back. **Service:** 21 months, U. S. Army. **Married:** Betty Harvey of Jacksonville, Fla., June 17, 1961. **Children:** Michael, born March 14, 1965; Matthew, born Oct. 22, 1969.

LINEBACKER COACH

COACH DOUGLAS ARMSTEAD (DOUG) SHIVELY. Joined Clemson staff Jan. 1, 1970. Came to Clemson from private business in Lexington, Ky.

Responsibilities: Assistant coach working with linebackers.



Shively

Coaching Experience: High School—Served as assistant coach one year at Port Arthur (Texas) High School. **College:** Served on Virginia Tech staff six years (1960-1965), first as freshman coach, then with varsity defensive ends and linebackers; served on University of Kentucky staff three years (1966-68) as linebacker coach one season and head defensive coach two years. 1970 will be first year on Clemson staff.

Personal Information: Born—Lexington, Ky., March 18, 1938. (Son of Bernie Shively, longtime director of athletics at University of Kentucky). Graduated from Lafayette High School, Lexington. Earned 16 letters playing four sports. **College:** University of Kentucky, graduated with BS degree in education in 1959. Lettered 3 years football, 3 years baseball. Named to All-Southeastern Conference sophomore team. Captained 1958 team senior year. **Pro Baseball:** Signed pro contract with Chicago White Sox. Played part of season with Holdrege, Neb. **Married:** Patsy Moores of Lexington, Ky., Nov. 26, 1958. **Children:** Douglas, Jr., (Chip), born Sept. 18, 1961 (4th grade); David, born April 18, 1963 (1st grade); Kelly, born May 20, 1966.

ASSISTANT DEFENSIVE LINE COACH

COACH RONALD DUANE (RONNIE) GRACE. Joined Clemson staff, July, 1967. Came to Clemson from Pendleton High School, Pendleton, S. C.

Responsibilities: Assistant football coach working with defensive line.



Grace

Coaching Experience: High School—Assistant football coach, Pendleton High School, Pendleton, S. C., two years. Head coach one year. Team won Class A championship with 13-0 record in 1966. 1970 will be fourth year on Clemson staff.

Personal Information: Born—McKeesport, Pa., Oct. 3, 1937. **High School:** McKeesport High School. Lettered in football 2 years. **College:**—Clemson, graduated in 1962 with B.S. degree in economics and education. Received Masters Degree in Guidance Services from Clemson, August, 1968. **Service:**—Army, 4 years. **Married:**—Stephany Rush of Clemson, S. C. **Children:**—Duane, born June 30, 1961 (4th grade); Sean, born Sept. 16, 1966.

Bowl Game Participation: 1 as a player (1959 Bluebonnet).



62-1B-Larry Douglas (Larry) Helmer—Junior—6-3—205—8-2-49—Charlotte, N. C. . . . started as sophomore last season and slated to start again this fall . . . picked off two opponent passes last year . . . outstanding year as freshman . . . missed '68 season due to illness . . . most valuable player at North Mecklenburg High School . . . allstate . . . father is Ford salesman . . . recreation and park administration major.



15-DB-Dale Ronald (Dale) Henry—Juniors—6-1—185—4-25-47—Morgue Valley, N. C. . . . spring defensive back last season . . . intercepted three passes . . . is slated to start at right corner this fall . . . was quarterback and defensive back at Tuscola High School . . . won 10 letters in four sports at Tuscola . . . played in Shrine Bowl . . . father is a housing contractor . . . arts and science major.



60-DT-Kenneth Mark (Ken) Hicks—Sophomore—6-3—220—3-30-51—Columbia, N. T. . . . played defensive end as freshman . . . should give odder bench strength at this position . . . attended Indian Hills High School and earned three letters each in football and baseball . . . made honorable mention all-state . . . all-suburban first team . . . father is a turnpike refinisher . . . recreation and park administration major.



27-TB-Charles Lawrence (Chuck) Huntley—Sophomore—5-8—182—5-30-51—Greenwood, S. C. . . . won three letters in football and two each in track and soccer at Greenwood High School . . . led the freshmen team in total offense and rushing with 814 yards . . . was second in scoring with 38 points . . . should see considerable action as sophomore tailback . . . father is a cattle buyer . . . majoring in industrial management.

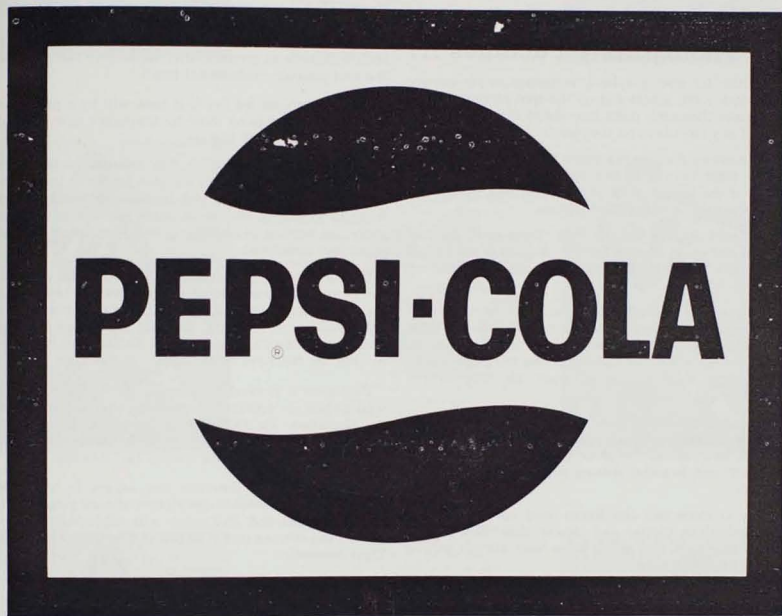


86-FLK-Robert Alan (Bobby) Johnson—Sophomore—6-0—173—2-8-51—Columbia, S. C. . . . attended Eau Claire High School and earned three letters in football and baseball and two in basketball . . . leading receiver on the frosh team with 28 catches for 336 yards . . . has good hands . . . lined on starting flanker for fall . . . father is service manager . . . industrial management major.



21-DB-Jeffrey Don (Don) Kelley—Junior—6-1—174—8-17-50—Greenville, S. C. . . . played tailback as freshman but moved to defensive secondary last year and found a home . . . slated to start again this year . . . has good speed . . . intercepted three passes last year . . . led varsity in punt returns . . . most valuable defensive back in South Carolina game . . . father is deceased . . . pre-dentistry major.

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Movie crews filming the game for Clemson and the visiting team have a 27-foot open section right in the middle of the second deck of the press box which will easily accommodate six movie tripods.

One flight up is a 35-yard long "front row" for still cameras and those filming for TV. No one is too far off the 50-yard line with the angle afforded from this top deck.

Photographers, as well as sportswriters covering Clemson's home games, have become accustomed to the third floor of the press box. Behind the row of cameras is the famous buffet served for those covering the game where the finest of food is enjoyed from the "Top of the Valley."

Chief photographer Charles Haralson, and his assistants, Tom Shockley, Hal Smith and Bill Osteen, are on hand for two reasons: to shoot game films for the athletic staff; and to assist visiting photographers covering the game.

Harry Durham and Jim Burns head up the Clemson Communications Center and devote their time seeing that all runs well, and at the same time, always willing to lend a helping hand.

During the week many requests for game action film, video taped interviews, stills and other special photo needs are filled for newspapers, radio and TV stations.

Game action is shot during the first half of each home game by a staff photographer and a set of pictures (five or six prints) is furnished to any news media request before the end of the game.

This rapid service is done through a Fotorite machine, a rapid print processing, and is the only one in use in the Atlantic Coast Conference and one of the few in the nation used as such.

During the past eight seasons nearly 3,300 photos have been given free to the press by the process, thanks to the closely-knit crew of the Communications Center.

Network In 17th Year ...

The Clemson Football Network enters its 17th year in 1970 with an expanded format which will give network listeners a better "inside look" on the Tigers.

The network, which is one of the largest university-operated networks in the nation, averaged 57.7 stations a game last fall. With the type enthusiasm exhibited in the spring toward Clemson football, a network as large, or larger, is anticipated this fall.

Jim Phillips and Bruce Buchanan, both from the staff of WFBC Radio and Television in Greenville, will again handle the play-by-play and color respectively, and Banks McFadden, former Clemson All-America, will add his commentary with halftime interviews. Either Bill Garrison or Bill Lynn of the WFBC engineering staff will serve as producer-director to give the network the best possible professional touch.

Added this year for the first time will be a pre-game as well as a post-game show by Clemson's new football coach, Cecil (Hootie) Ingram.

The network will sign on five minutes earlier than usual and stay on the air 10 minutes following the wrap-up period when Phillips and Ingram will comment on what to expect in the game, then just a few minutes away; as well as presenting quick observations of the game just completed.

Phillips, now sports director of WFBC Radio and TV, has 17 years of broadcasting behind him. He came from his native Ohio where he was affiliated at various times with stations in Alliance, Ashland and Lima. Before coming with the Clemson network, Phillips did the play-by-play for the Kent State University Network.

Buchanan is general manager of WFBC Radio and is well-known in sports broadcasting circles throughout the Carolinas. He had done a variety of high school sports for many years. He has been closely associated with Clemson athletics for nearly two decades.

Clemson network listeners can expect an accurate, colorful and professional description of each game. Phillips, Buchanan and McFadden will triple-team microphones in covering every corner of South Carolina with Tiger football.



Phillips

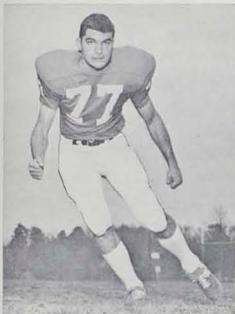


Buchanan



53—C—David Roy (Dave) Farnham—Junior—6'4"—214—10-24-50—Travelers Rest, S. C. . . . started as center for freshmen in 1968 and played behind Thompson last fall . . . slated to be number one center this fall . . . won three letters in football and two each in basketball and track at Travelers Rest High School . . . father is a hardware store owner . . . majoring in arts and sciences.

22—FLK—Peter John (Pete) Galuska—Junior—6'1"—185—6-29-49—Rochester, Minn. . . . saw limited action last fall . . . caught one pass for 25 yards in 21-10 victory over Georgia Tech . . . listed as number two flanker for this fall . . . attended Lourdes High School and received three letters each in football and basketball and two in track . . . father is truck driver . . . recreation and park administration major.



72—OT—Gary Boyd (Gary) Gennerich—Sophomore—6-2—201—8-28-51—Wayne, N. J. . . . starting tackle on freshman team . . . could possibly break into starting lineup this fall . . . earned two letters in football and one in basketball at Wayne Valley High School . . . named to all-county (Passaic) team and all-state team, honorable mention . . . his father is an executive . . . majoring in pre-dentistry.



10—QB—Richard Hunter (Rick) Gulstrap—Junior—6'3"—204—9-27-50—Easley, S. C. . . . third on team in total offense last year with 306 yards . . . listed as number two quarterback . . . could see action as tailback . . . should be asset to backfield . . . good athlete . . . good runner . . . All-American at Easley High School . . . father in cleaning and laundry business . . . majoring in pre-medicine.



57—C—Richard Lee (Ricky) Harrell—Sophomore—6-3—210—8-8-51—Morristown, Tenn. . . . starting center on frosh squad last season . . . will probably see a great deal of action this year . . . earned three letters in football and two in wrestling at Morristown-Hamblen High School East . . . made All Big 7 Conference team . . . played in Tennessee all-star game . . . father is a millwright . . . electrical engineering major.



46—LB—James Abner (Jimmy) Heckle—Sophomore—6'0"—185—10-16-48—Rock Hill, S. C. . . . played as defensive back last fall for Cubs and intercepted four passes . . . converted to linebacker and listed as second team . . . earned two letters each in football and track at Rock Hill High School . . . best back at Rock Hill . . . played in North-South All-Star game . . . father is insurance adjuster . . . elementary education major.



25—OE—Jack Edward (Jack) Anderson—Senior—6-1—200—10-23-48—Travelers Rest, S. C. . . . lettered as offensive end in 1968, tailback in 1969 . . . brought 7 passes for 108 yards in South Carolina games . . . could handle punting for the team this fall . . . was all-conference in four sports at Travelers Rest High School . . . father is in construction business . . . majoring in recreation and park administration.



95—DE—Wayne Douglas (Wayne) Baker—Junior—6-3—190—9-30-50—Oakland, N. J. . . . came to Clemson as tackle and linebacker . . . played linebacker last fall . . . listed as starter this year . . . participated in football, fencing and track at Indian Hills High School . . . ninth in nation in NCAA fencing last spring . . . father is insurance agent . . . majoring in industrial management.



51—OG—Robert Lawrence (Larry) Bell—Senior—6-0—211—8-30-48—Orangeburg, S. C. . . . was third team linebacker on the defensive squad last season . . . listed as second string offensive guard . . . received three letters in football and two in baseball at Orangeburg High School . . . played in Shrine Bowl . . . father is livestock manager . . . majoring in recreation and park administration.



66—FB—Richard John (Rick) Bukowsky—Junior—6-2½—208—8-23-50—Baltimore, Md. . . . carried only one time last season but is listed as the starting fullback for this fall . . . will have to take the place of two lettermen lost at this spot by graduation . . . attended McDonough High School where he was captain of the football team . . . father in vending machine business . . . industrial management major.



66—OG—Charles Wayne (Charlie) Caldwell—Senior—6-4—227—5-4-49—Roanoke, Ala. . . . was second string guard last year . . . has played center and offensive end since coming to Clemson . . . was halfback at Handley High School and earned three letters each in football, basketball and track and one in baseball . . . strong blocker . . . father is a brick mason . . . recreation and park administration major.



50—OT—Terry Alan (Terry) Cathoon—Sophomore—6-2—235—1-3-51—Hyattsville, Md. . . . played guard and center on the Clemson freshman team last year . . . could possibly be number two offensive tackle this fall . . . played for DeMatha Catholic High School and received three letters each in football and baseball . . . father is an electrician . . . majoring in recreation and park administration.

ALL-CLEMSON 1931-69

Ends:

Glenn Smith, 1949-50-51
Joe Blalock, 1939-40-41

Center:

Charlie Woods, 1936-37-38

Tackles:

George Fritts, 1939-40-41
Lou Cordileone, 1957-58-59

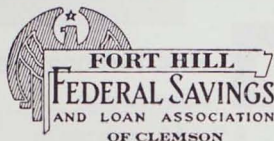
Backs:

Ray Mathews, 1947-48-49
Banks McFadden, 1937-38-39

Guards:

Frank Gillespie, 1946-47-48
Ray Clanton, 1945-46-47
Harry Olszewski, 1965-66-67

Joel Wells, 1954-55-56
Fred Cone, 1948-49-50
Jackie Calvert, 1948-49-50



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North-South Doubleheader	February 12 & 13
Southern Conference Tournament	March 4-5-6
Ringling Bros. Barnum & Bailey Circus	March 23 thru 28

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Wrestling

Ice Hockey

Paul Buck, Managing Director

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Stadium Facts . . .

Most Clemson stadium points:

Southern Conference: 57 points (57-12 over Virginia Military, 1944; 57-2 over Furman, 1950)

Atlantic Coast Conference: 40 points (40-35 over Virginia, 1966; 40 points (40-0 over Maryland, 1969)

Non-Conference: 76 points (76-0 over Presbyterian, 1945)

Most opponent stadium points:

Southern Conference: 41 points (41-12 by Wake Forest, 1943)

Atlantic Coast Conference: 35 points (40-35 over Virginia, 1966)

Non-Conference: 45 points (45-19 by Auburn, 1953)

Last tie game in stadium:

Clemson 7, Georgia 7, 1963

Widest Clemson margin of victory in stadium:

Southern Conference: 55 points (57-2 over Furman, 1950)

Atlantic Coast Conference: 40 points (40-0 over Maryland, 1969)

Non-Conference: 76 points (76-0 over Presbyterian, 1945)

Widest margin of defeat for Clemson in stadium:

Southern Conference: 29 points (41-12 by Wake Forest, 1943)

Atlantic Coast Conference: 29 points (29-0 by North Carolina, 1964)

Non-Conference: 30 points (30-0 by Georgia, 1969)

Most combined stadium points (both teams)

Southern Conference: 69 points (57-12 over Virginia Military, 1944)

Atlantic Coast Conference: 75 points (40-35 over Virginia, 1966)

Non-Conference: 76 points (76-0 over Presbyterian, 1945; 69-7 over Presbyterian, 1949)

Tie Game: 14 points (7-7 vs. Mississippi State, 1949; 7-7 vs. Georgia, 1963)

Most stadium games won by Clemson in single season:

5 games (1958, 1960)

4 games (1948, 1950, 1951, 1956, 1966)

Most stadium games lost by Clemson in single season:

3 games (1962)

2 games (1943, 1949, 1953, 1961, 1964, 1967, 1968, 1969)

Longest stadium winning streak:

10 games (During 1949-50-51 seasons)

9 games (During 1957-58-59 seasons)

Longest stadium losing streak:

3 games (1962)

2 games (1943, 1949, 1961, 1964, 1967)

Since stadium was dedicated 27 seasons ago (1942):

Clemson has had only one season (1943) where the Tigers failed to win a game. They lost their only two home appearances then.

Field: Runs East and West

Press Box: Located atop South stands

Record stadium crowd: 53,247, South Carolina, 1968

Record stadium crowd (non-conference): 49,596, Alabama, 1967

Record stadium conference crowd: 53,247, South Carolina, 1968

Stadium Capacity: 43,451. Original stadium built in 1942 to seat 20,000. Addition of 18,000 sideline seats made prior to 1958 season. West end zone seats added prior to 1960 season.



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42-DB-Jeffrey Michale (Jeff) Siepe-Sophomore-6-1-173-124-51-Wayne, N. J. . . . led freshman team in punt returns . . . ran one back for 65 yards and a touchdown in 21-13 win over South Carolina . . . intercepted one pass last year . . . played on Clemson baseball team last year . . . attended Wayne Valley High and earned 7 varsity letters . . . father is plant manager . . . arts and sciences major.



80-19-James Russell (Jim) Sursavage-Senior-6-3-210-112148-Andrews, N. C. . . . started as offensive end last fall and caught 12 passes for 200 yards and one touchdown . . . listed as second team linebacker for this fall . . . athlete of the year two consecutive seasons at Andrews High School where he earned a total of 11 varsity letters . . . father is a teacher . . . agricultural economics major.



52-OG-David Wayne (Dave) Thompson-Senior-6-4-263-2-149-Fairfax, Ala. . . . lettered as offensive tackle in 1968 and as center in 1969 . . . good blocker . . . will start at guard this fall . . . voted to two all-star football teams and one basketball team while at Valley High School . . . made all-state last year as center . . . father is in textiles . . . majoring in secondary education.



41-FB-Henry Madison (Henry) Walters-Junior-5-9-175-11-1049-Anderson, S. C. . . . non-letterman from last year's squad . . . attended T. L. Hanna High School where he received three letters in football and two in track . . . played in Shrine Bowl and North-South All-Star game . . . most valuable at Anderson . . . listed as third team fullback . . . father is a millwright . . . civil engineering major.



54-1B-Ben (Ben) Watson-Junior-6-0-192-5-249-North Augusta, S. C. . . . played second team last year but listed as starter for this fall . . . earned two letters in football at North Augusta High School . . . made all-state team in high school . . . captain of team his senior year . . . also played baseball . . . voted best blocker as a junior . . . father is a doctor . . . majoring in pre-medicine.



71-OT-Sanders Jackson (Waldo) Watts-Junior-6-6-239-10-1545-Greenville, S. C. . . . started as defensive tackle in 1969 . . . will be starter on the offensive unit this fall . . . won three letters each in track, football and basketball at Wade Hampton High School . . . played in North-South All-Star game . . . voted most valuable player at Wade Hampton . . . father is a chemical salesman . . . arts and sciences major.

3.5 BILLION TONS

What Do You Do With It?

Pollution has been tried, convicted and sentenced to die for the good of mankind.

Throughout the trial, only a handful of positive comments were spoken on behalf of this despised public enemy.

But if issues—like people—are allowed their day in court, then perhaps a kind word could be said about pollution if it is considered a springboard for many of the new advances of modern living.

"Bonuses" from the war on pollution may be glass containers which melt away, wine processed from tomato vine waste, or animal feed and fertilizer made from treated sewage.

Even newspapers may eventually become a usable protein.

Such ideas, once considered radical, have become commonplace as brilliant researchers are challenged to find new disposable methods for all types of garbage.

Each year Americans must figure out what to do with 3.5 billion tons of solid waste. This trash includes 48 billion cans, 26 billion bottles, more than 30 million tons of paper, four million tons of plastics and 100 million rubber tires.

Some of the creative thinking on disposing of this staggering volume of solid waste is being done at Clemson University.

The federal government is sponsoring Clemson's research to develop materials for a glass packaging container which could be easily processed to dissolve in water after use. A breakthrough on this problem could remedy a major source of solid waste pollution.

Chief investigator of this problem is Dr. Samuel F. Hulbert, associate dean for engineering research and interdisciplinary studies in the College of Engineering.

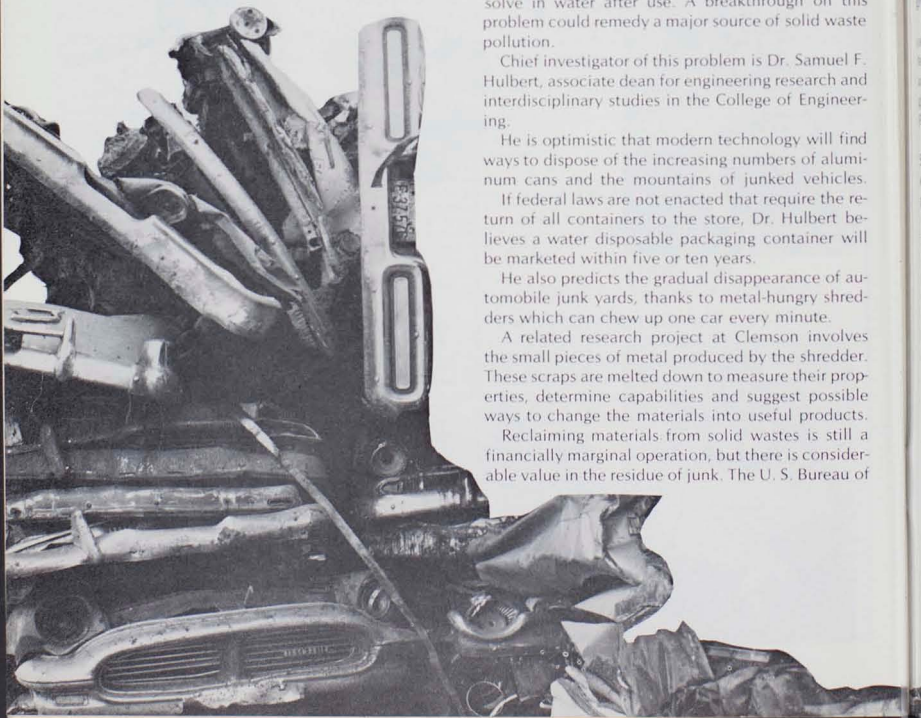
He is optimistic that modern technology will find ways to dispose of the increasing numbers of aluminum cans and the mountains of junked vehicles.

If federal laws are not enacted that require the return of all containers to the store, Dr. Hulbert believes a water disposable packaging container will be marketed within five or ten years.

He also predicts the gradual disappearance of automobile junk yards, thanks to metal-hungry shredders which can chew up one car every minute.

A related research project at Clemson involves the small pieces of metal produced by the shredder. These scraps are melted down to measure their properties, determine capabilities and suggest possible ways to change the materials into useful products.

Reclaiming materials from solid wastes is still a financially marginal operation, but there is considerable value in the residue of junk. The U. S. Bureau of



Quality Of Life IV

By John Allen
News Bureau Editor

Mines estimates that if all solid waste were properly incinerated it would yield salvageable metals worth more than \$1 billion annually.

Another Clemson researcher is determining more effective ways of incinerating discarded plastic materials to minimize the amount of toxic pollutants released into the air.

A great struggle with solid waste pollution also is occurring on farms where large numbers of animals are confined in livestock production facilities.

The concentration of animals represents modern agricultural practices aimed at greater efficiency in livestock production and a higher quality meat for consumers. But the large volume of waste produced daily creates a potential source of pollution for ground and surface waters.

Wastes can be mechanically hauled to a pasture or dumped into lagoons (open ponds in which bacteria act to decompose the material). Where lagoons are used, their relationship with stream waters is governed by strict regulations set by the S. C. Water Pollution Authority.

Clemson's Extension Service experts are helping South Carolina farmers cope with the problem through educational programs in waste management and planning.

Expansion of research programs in animal waste management is planned by Clemson's agricultural engineering department to provide new information for the state's livestock producers.

"Solid waste presents a terrific technological challenge," says Dr. Hulbert. "The traditional methods of waste disposal are overloaded. Even municipal collection agencies are burdened beyond their capacities.

"These problems have to be solved," he warns, "else there must be a drastic change in the economics of solid waste disposal. The federal government through subsidies must help clean up the waste or the consumer must pay for his share of the pollution."





26—OE—Bradley Joel (Brad) O'Neal—Senior—5-11-184—5-29-48—Fairfax, S. C. . . . could be number two man behind Jack Anderson at split end . . . has good hands . . . caught two passes for 22 yards last fall . . . won three letters each in football and track and two in basketball at Allendale-Fairfax High School . . . father is a farmer . . . majoring in recreation and park administration.



70—DT—John Aubrey (John) Price—Sophomore—6-3—234—10-24-51—Martin, S. C. . . . started on defense as freshman . . . listed number two behind Elvington . . . earned two letters each in football and track at Allendale-Fairfax High School . . . made all-conference and all-state teams . . . outstanding lineman in Shrine Bowl . . . father is a miller . . . majoring in recreation and park administration.



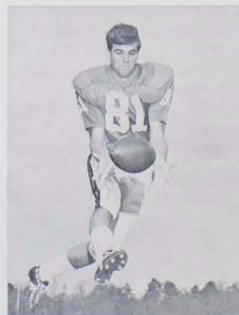
40—DB—Thomas Mell (Tommy) Richardson, Jr.—Sophomore—5-11—166—6-2-51—Monroe, Ga. . . . will provide rest for Kelley . . . received four letters each in football, track and basketball and one in baseball at Monroe Area High School . . . most valuable back two consecutive years . . . holds high school rushing record . . . father is high school principal . . . majoring in economics.



16—DB—David Timothy (David) Sasser—Sophomore—6-2—187—1-11-51—Savannah, Ga. . . . received three letters in football and two each in baseball and basketball at Groves High School . . . was high school quarterback . . . all-state honorable mention for two consecutive years . . . most valuable on team . . . father is plant supervisor . . . majoring in recreation and park administration.



3—FK—Eddie Watson (Eddie) Seigler—Sophomore—6-0—162—4-7-51—Greenwood, S. C. . . . will be tremendous asset to team as field goal kicker . . . lead freshman team in scoring with 38 points . . . kicked 11 of 12 extra points and 9 of 13 field goals with his longest being a 52-yard boot against Georgia . . . father is a textile engineer . . . majoring in pre-medicine.



81—OE—Robert Charles (Bob) Shell—Sophomore—6-2—152—1-23-51—Atlanta, Ga. . . . played at St. Pius X High School and lettered two years in football and three years in track . . . caught two passes for 75 yards and two touchdowns for freshmen last year . . . longest was 56 yards in 27-21 win over Georgia . . . working as life guard this summer . . . father is sales supervisor . . . industrial management major.

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Clemson cheerleaders follow the Tigers whenever they're engaged in athletic events. This group puts in many long hours preparing for the next game. Front row, left to right, Lewis Moss, Danny Gregg, head cheerleader, Ed Copeland and Randy Jackson, tiger. Back row, left to right, Carlos Quintero, Steve Ellison, Rick Vaughn, Gordon Metsky and Lee Scarborough. The girl cheerleaders, left to right, are Robin Hadden, Ellen Calhoun, Debbie Coursey, Dianne Ashley and Debbie King.

(Photo by Allen Hodges.)

OUR DEEP APPRECIATION . . .

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Denny Black



David Jennings

CODE OF OFFICIALS' SIGNALS

1 Offside (Infraction of scrimmage or free kick formation)	2 Illegal Procedure or Position	3 Illegal Motion	4 Illegal Shift
5 Substitution Infractions	6 Delay of Game	7 Personal Foul	
8 Clipping	9 Roughing the Kicker	10 Non-contact Fouls	
11 Illegal use of Hands and Arms	12 Intentional Grounding	13 Illegally Passing or Handing Ball Forward	14 Forward Pass or Kick Catching Interference

CODE OF OFFICIALS' SIGNALS

15 Ineligible Receiver Down Field on Pass	16 Ball Illegally Touched, Kicked, or Batted	17 Incomplete Forward Pass, Penalty Declined, No Play, or No Score
18 Helping the Runner, or Interlocked Interference	19 Ball Dead; If Hand is Moved from Side to Side: Touchback	20 Touchdown or Field Goal
21 Safety	22 Time out; Referee's Discretionary or Excess Time Out followed with Tapping hands on chest	23 First Down
24 Ball Ready for Play	25 Start the Clock	26 Loss of Down
27 Player Disqualified		

Atlantic Coast Conference Football Officials

The Atlantic Coast Conference assigns its football officials through the Supervisor of Officials, Norvall Neve. The 36 regularly-assigned officials of the conference are as follows:

Earl Barnett (University of Virginia), Back Judge
V. E. Baugh (Clemson University), Umpire
Richard A. Carrington, III (Univ. of Virginia), Linesman
Tom Chambers (Duke University), Umpire
Wilburn C. Clary (University of South Carolina), Referee
Nelson E. Cooper (Eaton College), Field Judge
Robert H. Cooper, Jr., (Johns Hopkins Univ.), Referee
W. R. Cummings, Referee
Hugh M. Currin (Wake Forest University), Linesman
Bill Davis (Duke University), Field Judge
Carl B. Deane (Duke University), Referee
Richard B. Ellis (Atlantic Christian), Back Judge
Bradley E. Faircloth (Duke University), Umpire
Paul C. Girolamo (Cornell University), Linesman
Ernest D. Hackney (Univ. of North Carolina), Referee
Tom Harris (Duke University), Linesman
Milton A. Hines (Guilford College), Umpire
Art Hodges (University of Wichita), Referee
William E. Jamerson (Virginia Tech), Linesman
Mark A. Kane (Clemson University), Field Judge
George Manning (Georgia Tech), Linesman
M. E. McClenny, Linesman
D. G. McDonnell (Baltimore Junior College), Umpire
Dr. Raymond D. Menton, Jr., (Loyola College), Field Judge
Ray Moore (Maritime Academy), Umpire
Robt. K. Neuman (University of Maryland), Back Judge
J. Vincent Price (College of Charleston), Referee
Thomas J. Richert (University of Detroit), Field Judge
Jimmy L. Rosser (Auburn University), Field Judge
Gil Rushton (Clemson University), Back Judge
Donald B. Safrin (Lenoir Rhyne College), Back Judge
Robert E. Sandell, Jr., (Johns Hopkins University), Back Judge
Bob Shoaf (Guilford College), Back Judge
William C. Simpson (University of South Carolina), Clock Operator
Dr. William E. Smith (Western Carolina University), Field Judge

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Potato Chips	10c
Aspirin	35c
Cups for ice	5c

Souvenir Prices

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Bobbie Dolls	1.50
Party Poppers	.20
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Tiger Top Hat	2.00
Sun Visors	.35
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Stadium Cushions	1.25

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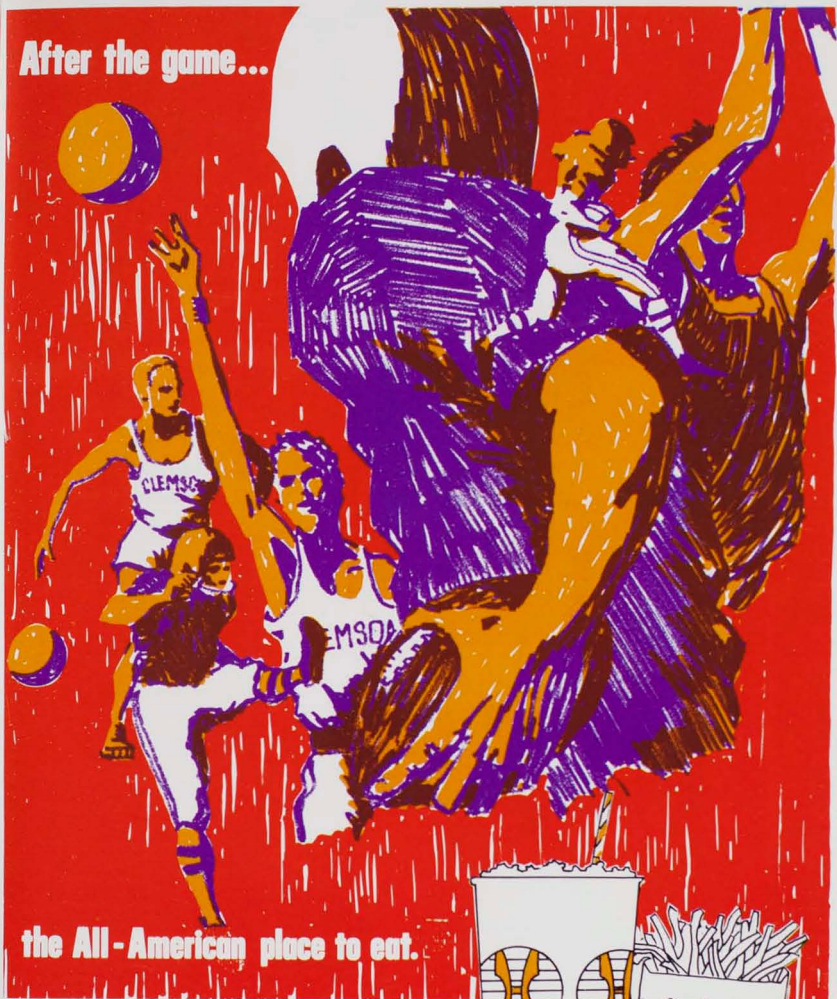


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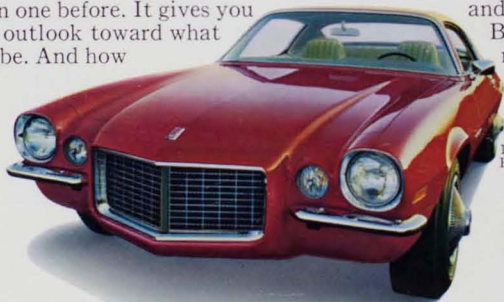
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